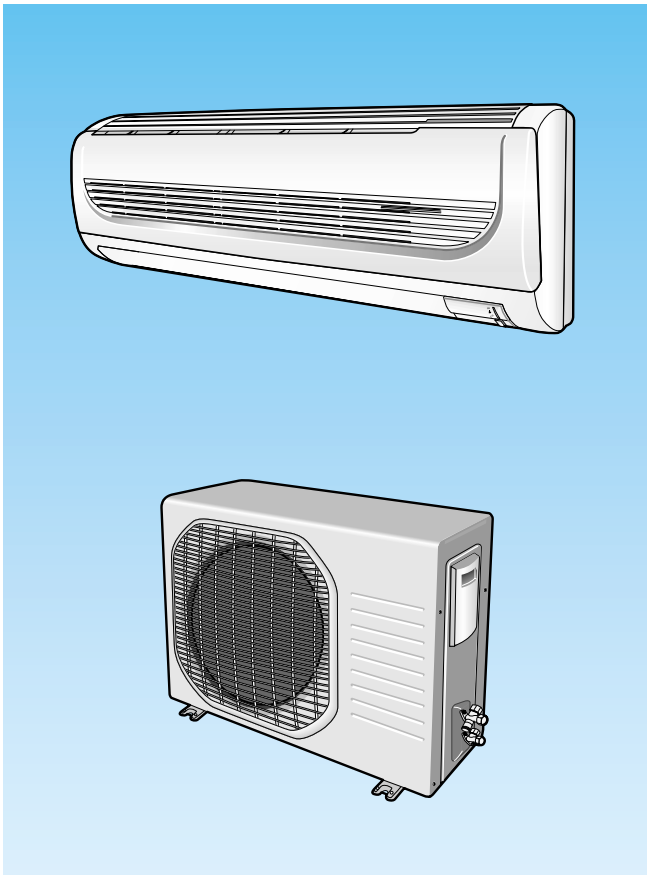
SAMSUNG

ROOM AIR CONDITIONER

INDOOR UNIT	OUTDOOR UNIT
SH09AWH	SH09AWHX
SH09ZWH	SH09ZWHX
AQ09WHWE	UQ09WHWE
KFR-25G/SWA	KFR-25W/SWA
SH12AWH	SH12AWHX
SH12ZWH	SH12ZWHX
AQ12WHWE	UQ12WHWE
KFR-35G/SWA	KFR-35W/SWA

SERVICE Manual

AIR CONDITIONER



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1. Product Specifications

1-1 Table

Item				Model	SH09AWH		SH12AWH	
					Indoor unit	Outdoor unit	Indoor unit	Outdoor unit
Type					Wall-mounted		Wall-mounted	
Perfor-mance	Cooling			kW	2.75		3.5	
	Heating			kW	2.90		4.2	
	Dehumidifying			ℓ/h	1.0		1.4	
	Air Volume	Cooling		m^3/min	7.3	25	8.3	25
		Heating			8.0	25	9.0	25
	Noise	Cooling		dB	38 / 36 / 34	51 / 51	41 / 39 / 37	53 / 53
		Heating			38 / 36 / 34	51 / 51	41 / 39 / 37	53 / 53
	Energy Efficiency Ratio	Cooling		W/W	2.81		2.82	
		Heating			3.22		3.23	
	Power			V-Hz	1-220 / 240-50		1-220 / 240-50	
Power	Power Consumption	Cooling		W	980		1,240	
		Heating			900		1,300	
	Operating Current	Cooling		A	4.5		5.7	
		Heating			4.5		5.7	
	Power Factor	Cooling		%	96.5		98.3	
		Heating			95.5		98.0	
	Starting Current			A	21.0		30.0	
	Power Cord	Length		m	-		-	
		Number of Core Wire			-		-	
		Capacity		A	250V-10A		250V-10A	
Size	Outer Dimension	Width x Height x Depth		mm	825 x 285 x 189	720 x 548 x 265	825 x 285 x 189	720 x 548 x 265
				inch	32.5 x 11.2 x 7.44	28.4 x 21.6 x 10.4	32.5 x 11.2 x 7.44	28.4 x 21.6 x 10.4
	Weight(Net)			kg	8.2	31.3	8.4	33.8
	Refrigerant Pipe	Liquid		mm x L(m)	ø6.35 x 7.5		ø6.35 x 7.5	
		GAS		mm x L(m)	ø9.52 x 7.5		ø9.52 x 7.5	
	Drain Hose			D x L(mm)	ø18 x 550		ø18 x 550	
	Compressor	Type			Rotary		Rotary	
		Motor	Type		Induction Motor(PSC)		Induction Motor(PSC)	
			Rated Output		900		1,075	
	Oil Type				DAPHNE FV68S(PVE)		DAPHNE FV68S(PVE)	
	Blower	Type			Cross-flow	Propeller	Cross-flow	Propeller
		Motor	Type		steel	steel	steel	steel
			Rated Output	W	15	50	15	50
Heat Exchanger					2ROW 14STEP	1ROW 24STEP	2ROW 14STEP	2ROW 24STEP
Refrigerant Control Unit					CAPILLARY TUBE		CAPILLARY TUBE	
Freezer Oil Capacity				cc	350		520	
Refrigerant to Change(R410A)				g	650		1,020	
Protection Device(OLP)					MRA99134-9201		MRA99908-9201	
Cooling Test Condition					INDOOR UNIT : DB27˚C WB19˚C		OUTDOOR UNIT : DB35˚C WB24˚C	
Maximum Operation Condition					INDOOR UNIT : DB32˚C WB23˚C		OUTDOOR UNIT : DB43˚C WB26˚C	

Table(cont.)

Item				Model	SH09ZWH		SH12ZWH	
					Indoor unit	Outdoor unit	Indoor unit	Outdoor unit
Type					Wall-mounted		Wall-mounted	
Perfor-mance	Cooling			kW	2.70		3.5	
	Heating			kW	2.90		4.0	
	Dehumidifying			ℓ/h	1.0		1.4	
	Air Volume	Cooling		m^3/min	7.3	25	8.3	25
		Heating			8.0	25	9.0	25
	Noise	Cooling		dB	38 / 36 / 34	51 / 51	41 / 39 / 37	53 / 53
		Heating			38 / 36 / 34	51 / 51	41 / 39 / 37	53 / 53
	Energy Efficiency Ratio	Cooling		W/W	2.70		2.99	
		Heating			3.22		3.48	
	Power			V-Hz	1-220 / 240-50		1-220 / 240-50	
Power	Power Consumption	Cooling		W	1,000		1,170	
		Heating			900		1,150	
	Operating Current	Cooling		A	4.5		5.2	
		Heating			4.0		5.2	
	Power Factor	Cooling		%	98.2		96.9	
		Heating			99.1		96.2	
	Starting Current			A	21.0		30.0	
	Power Cord	Length		m	-		-	
		Number of Core Wire			-		-	
		Capacity		A	250V-10A		250V-10A	
Size	Outer Dimension	Width x Height x Depth		mm	825 x 285 x 189	720 x 548 x 265	825 x 285 x 189	720 x 548 x 265
				inch	32.5 x 11.2 x 7.44	28.4 x 21.6 x 10.4	32.5 x 11.2 x 7.44	28.4 x 21.6 x 10.4
	Weight(Net)			kg	8.2	31.3	8.4	33.8
	Refrigerant Pipe	Liquid		mm x L(m)	ø6.35 x 5.0		ø6.35 x 5.0	
		GAS		mm x L(m)	ø9.52 x 5.0		ø12.70 x 5.0	
	Drain Hose			D x L(mm)	ø18 x 550		ø18 x 550	
	Compressor	Type			Rotary		Rotary	
		Motor	Type		Induction Motor(PSC)		Induction Motor(PSC)	
			Rated Output		1,005		1,206	
	Oil Type				SUNISO-4GSD		SUNISO-4GSD	
	Blower	Type			Cross-flow	Propeller	Cross-flow	Propeller
		Motor	Type		steel	steel	steel	steel
			Rated Output	W	15	50	15	50
Heat Exchanger					2ROW 14STEP	1ROW 24STEP	2ROW 14STEP	2ROW 24STEP
Refrigerant Control Unit					CAPILLARY TUBE		CAPILLARY TUBE	
Freezer Oil Capacity				cc	360		600	
Refrigerant to Change(R22)				g	580		980	
Protection Device(OLP)					RAC12110-9622		RAC12074-9622	
Cooling Test Condition					INDOOR UNIT : DB27˚C WB19˚C		OUTDOOR UNIT : DB35˚C WB24˚C	
Maximum Operation Condition					INDOOR UNIT : DB32˚C WB23˚C		OUTDOOR UNIT : DB43˚C WB26˚C	

Table(cont.)

Item				Model	AQ09WHWE		AQ12WHWE	
					Indoor unit	Outdoor unit	Indoor unit	Outdoor unit
Type					Wall-mounted		Wall-mounted	
Perfor-mance	Cooling			kW	2.70		3.5	
	Heating			kW	2.90		4.0	
	Dehumidifying			ℓ/h	1.0		1.4	
	Air Volume	Cooling		m^3/min	7.3	25	8.3	25
		Heating			8.0	25	9.0	25
	Noise	Cooling		dB	38 / 36 / 34	51 / 51	41 / 39 / 37	53 / 53
		Heating			38 / 36 / 34	51 / 51	41 / 39 / 37	53 / 53
	Energy Efficiency Ratio	Cooling		W/W	2.70		2.99	
		Heating			3.22		3.48	
	Power			V-Hz	1-220 / 240-50		1-220 / 240-50	
Power	Power Consumption	Cooling		W	1,000		1,170	
		Heating			900		1,150	
	Operating Current	Cooling		A	4.5		5.2	
		Heating			4.0		5.2	
	Power Factor	Cooling		%	98.2		96.9	
		Heating			99.1		96.2	
	Starting Current			A	21.0		30.0	
	Power Cord	Length		m	-		-	
		Number of Core Wire			-		-	
		Capacity		A	250V-10A		250V-10A	
Size	Outer Dimension	Width x Height x Depth		mm	825 x 285 x 189	720 x 548 x 265	825 x 285 x 189	720 x 548 x 265
				inch	32.5 x 11.2 x 7.44	28.4 x 21.6 x 10.4	32.5 x 11.2 x 7.44	28.4 x 21.6 x 10.4
	Weight(Net)			kg	8.2	33.0	8.4	33.8
	Refrigerant Pipe	Liquid		mm x L(m)	ø6.35 x 5.0		ø6.35 x 5.0	
		GAS		mm x L(m)	ø9.52 x 5.0		ø12.70 x 5.0	
	Drain Hose			D x L(mm)	ø18 x 550		ø18 x 550	
	Compressor	Type			Rotary		Rotary	
		Motor	Type		Induction Motor(PSC)		Induction Motor(PSC)	
			Rated Output		1,005		1,206	
	Oil Type				SUNISO-4GSD		SUNISO-4GSD	
	Blower	Type			Cross-flow	Propeller	Cross-flow	Propeller
		Motor	Type		steel	steel	steel	steel
			Rated Output	W	15	50	15	50
Heat Exchanger					2ROW 14STEP	1ROW 24STEP	2ROW 14STEP	2ROW 24STEP
Refrigerant Control Unit					CAPILLARY TUBE		CAPILLARY TUBE	
Freezer Oil Capacity				cc	360		600	
Refrigerant to Change(R22)				g	580		980	
Protection Device(OLP)					RAC12110-9622		RAC12074-9622	
Cooling Test Condition					INDOOR UNIT : DB27˚C WB19˚C		OUTDOOR UNIT : DB35˚C WB24˚C	
Maximum Operation Condition					INDOOR UNIT : DB32˚C WB23˚C		OUTDOOR UNIT : DB43˚C WB26˚C	

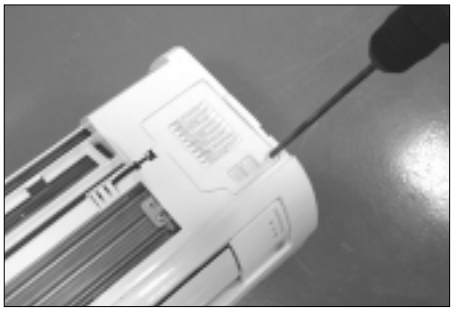
Table(cont.)

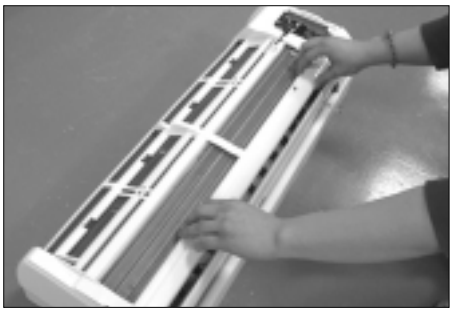
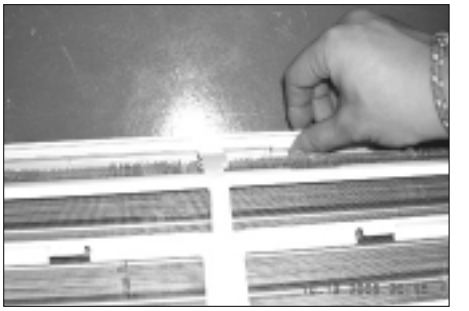
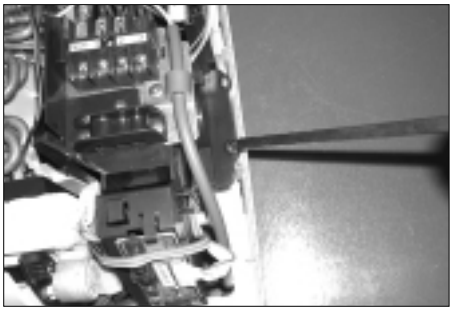
Item				Model	KFR-25G / SWA		KFR-35G / SWA	
					Indoor unit	Outdoor unit	Indoor unit	Outdoor unit
Type					Wall-mounted		Wall-mounted	
Performance	Cooling			kW	2.65		3.5	
	Heating			kW	2.90		4.0	
	Dehumidifying			ℓ/h	1.0		1.4	
	Air Volume	Cooling		m^3/min	7.3	25	8.3	25
		Heating			8.0	25	9.0	25
	Noise	Cooling		dB	38 / 36 / 34	51 / 51	41 / 39 / 37	53 / 53
		Heating			38 / 36 / 34	51 / 51	41 / 39 / 37	53 / 53
	Energy Efficiency Ratio	Cooling		W/W	2.65		2.99	
		Heating			3.22		3.48	
	Power			V-Hz	1-220-50		1-220-50	
Power	Power Consumption	Cooling		W	1,000		1,170	
		Heating			900		1,150	
	Operating Current	Cooling		A	4.6		5.8	
		Heating			4.1		5.8	
	Power Factor	Cooling		%	97		92	
		Heating			97		92	
	Starting Current			A	21.0		30.0	
	Power Cord	Length		m	-		-	
		Number of Core Wire			-		-	
		Capacity		A	250V-10A		250V-16A	
Size	Outer Dimension	Width x Height x Depth		mm	825 x 285 x 189	720 x 548 x 265	825 x 285 x 189	720 x 548 x 265
				inch	32.5 x 11.2 x 7.44	28.4 x 21.6 x 10.4	32.5 x 11.2 x 7.44	28.4 x 21.6 x 10.4
	Weight(Net)			kg	8.2	31.3	8.4	33.8
	Refrigerant Pipe	Liquid		mm x L(m)	ø6.35 x 4.0		ø6.35 x 4.0	
		GAS		mm x L(m)	ø9.52 x 4.0		ø12.70 x 4.0	
	Drain Hose			D x L(mm)	ø18 x 550		ø18 x 550	
	Compressor	Type			Rotary(SAMSUNG)		Rotary(SAMSUNG)	
		Motor	Type		Induction Motor(PSC)		Induction Motor(PSC)	
			Rated Output		990		1,210	
	Oil Type				SUNISO-4GSD/NOC		SUNISO-4GSD/NOC	
	Blower	Type			Cross-flow	Propeller	Cross-flow	Propeller
		Motor	Type		steel	steel	steel	steel
			Rated Output	W	15	50	15	50
Heat Exchanger					2ROW 14STEP	1ROW 24STEP	2ROW 14STEP	2ROW 24STEP
Refrigerant Control Unit					CAPILLARY TUBE		CAPILLARY TUBE	
Freezer Oil Capacity				cc	360		600	
Refrigerant to Change(R22)				g	600		950	
Protection Device(OLP)					RAC12054-9622		RAC12074-9622	
Cooling Test Condition					INDOOR UNIT : DB27˚C WB19˚C		OUTDOOR UNIT : DB35˚C WB24˚C	
Maximum Operation Condition					INDOOR UNIT : DB32˚C WB27.5˚C		OUTDOOR UNIT : DB43˚C WB33˚C	

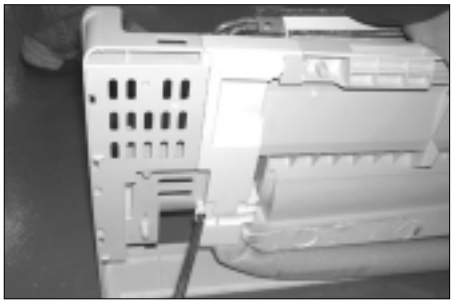
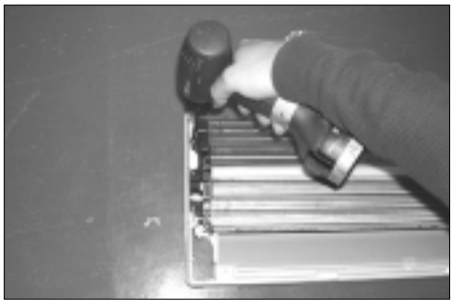
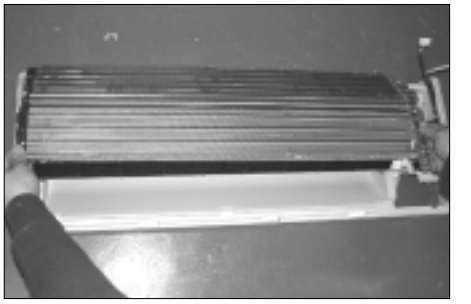
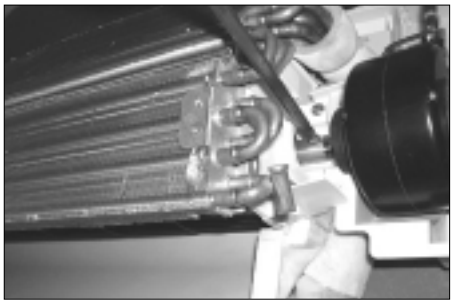
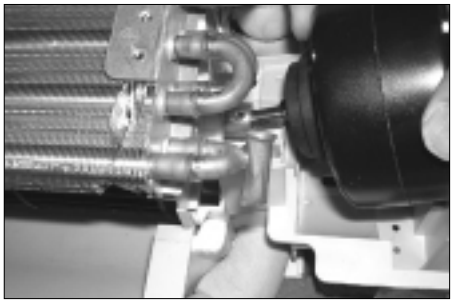
2. Disassembly and Reassembly

Stop operation of the air conditioner and remove the power cord before repairing the unit.

2-1 Indoor Unit

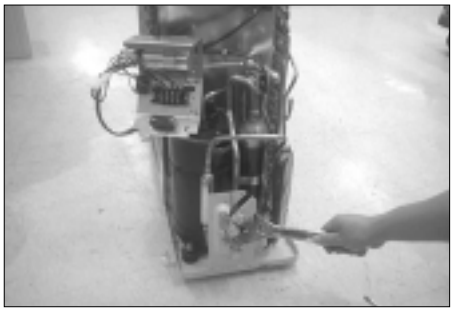
No	Parts	Procedure	Remark
1	Front Grille	1) Stop the air conditioner operation and block the main power.	
		2) Open the Front Grille by pulling right and left sides of the hook.	
		3) Loosen 1 of the right screw and detach the Terminal Cover. 4) Detach the thermistor from the Front Grille.	
		5) Loosen 2 fixing screws of Front Grille.	

No	Parts	Procedure	Remark
		6) Unlock 2 hooks to fix Panel Front and Tray Drain.	
		7) Unlock 3 hooks to fix Panel Front and Back-Body.	
2	Control-In (Main PCB)	1) Take all the connector of PCB upper side out. (Inclusion Power Cord) 2) Detach the outdoor unit connection wire from the Terminal Block. 3) Loosen 4 fixing screws of Ass'y Control-In.	
3	Tray Drain	1) Pull Tray Drain out from the Back Body.	

No	Parts	Procedure	Remark
4	Heat Exchanger	1) Loosen 2 fixing earth screws of right side. 2) Detach the Connection Pipe. 3) Detach the Holder Pipe at the rear side. 4) Loosen the 3 fixing screws of right and left side. 5) Lifting the Heat Exchanger up a little to push the up side for separation from the indoor unit.	  
5	Fan Motor & Cross Fan	1) Loosen the fixing screw and detach the Motor Holder. 2) Detach the Fan Motor from the Fan. 3) Detach the Fan From the left Holder Bearing.	 

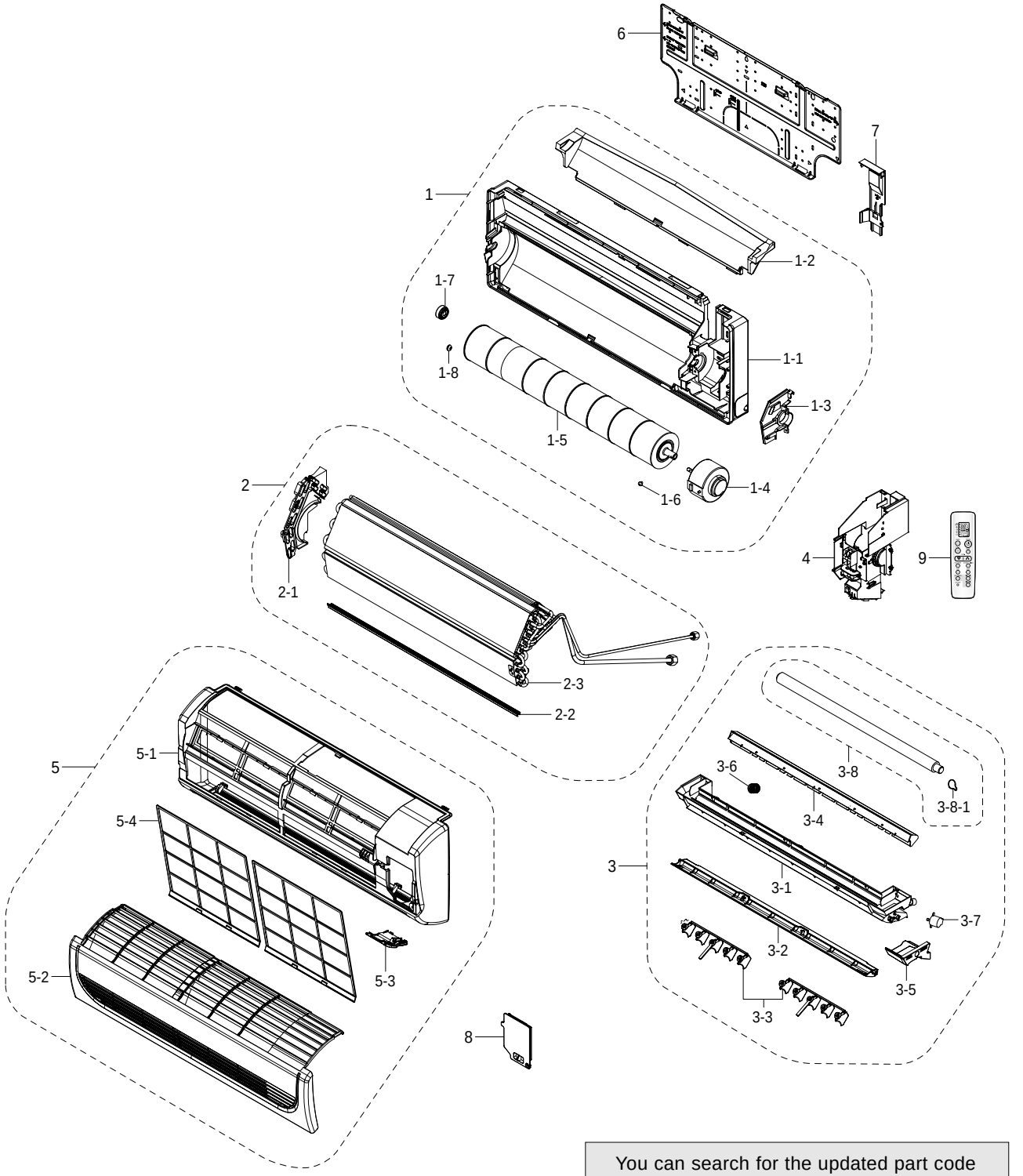
2-2 Outdoor Unit

No	Parts	Procedure	Remark
1	Common Work	1) Loosen each 3 fixing screws on both right and left Cabinet-Side edge and a fixing screw on the Cabinet-Front lower to detach the Cabinet-Front.	
		2) Loosen 2 fixing screws of the Ass'y-Control.	
		3) Loosen 6 fixing screws of the Cabinet-Side RH.	
		4) Loosen 2 fixing screws of the Cabinet-Side LF.	

No	Parts	Procedure	Remark
2	Fan & Motor	1) Detach the Nut Flange.(Turn counterclockwise because the screw is right-handed) 2) Detach the Fan. 3) Loosen 4 fixing screws to detach the Motor.	
3	Heat Exchanger	1) Loosen 2 fixing screws on both sides. 2) Disassemble the pipe in both inlet and outlet with welding torch. 3) Detach the Heat Exchanger.	 
4	Compressor	1) Loosen the Terminal Cover nut to open the Terminal Cover. 2) Disassemble the cloth sound felt. 3) Disassemble the pipe in both inlet and outlet of the Compressor with welding torch. 4) Disassemble the pipe in both inlet and outlet of the Condenser with welding torch. 5) Loosen the 3 bolts at the bottom. 6) Detach the Compressor.	

4. Exploded Views and Parts List

4-1 Indoor Unit



You can search for the updated part code number through the ITSELF.

URL : http://itself.sec.samsung.co.kr

■ **Parts List**

No.	Code No.	Description	Specification	Q'TY		Remark
				SH09AWH	SH12AWH	
1	DB94-00454B	ASS'Y-BACK BODY	ASS'Y	1	1	
1-1	DB61-01632A	BACK-BODY	HIPS	1	1	
1-2	DB69-00834A	CUSHION-BACK BODY	EPS	1	1	
1-3	DB61-01634A	SUPPORTER-EVAP RH	HIPS	1	1	
1-4	DB31-00219A	MOTOR-IN	YDK-20S4F8C-1	1	1	
1-5	DB94-00456A	ASS'Y-CROSS FAN	OD92x635	1	1	
1-6	DB97-02075A	ASS'Y BOLT-SPECIAL	ASS'Y	1	1	
1-7	DB73-00181A	RUBBER-BEARING	RUBBER	1	1	
1-8	DB94-40007A	MOLD-BEARING	BEARING	1	1	
2	DB96-03112A	ASS'Y CYCLE IN	ASS'Y	-	1	
	DB96-03112B	ASS'Y CYCLE IN	ASS'Y	1	-	
2-1	DB63-00850A	COVER BEARING	ABS	1	1	
2-2	DB60-00118A	SPACE-EVAP-LOW	PVC	1	1	
2-3	DB96-03060A	ASS'Y-EVAP	1.3S, 2x14	-	1	
	DB96-03257A	ASS'Y-EVAP	1.5S, 2x14	1	-	
3	DB94-00457D	ASS'Y-TRAY DRAIN	ASS'Y	1	1	
3-1	DB63-00848A	TRAY-DRAIN	ABS	1	1	
3-2	DB61-01635A	BLADE-H	HIPS	1	1	
3-3	DB61-01636A	BLADE-V	PP	2	2	
3-4	DB63-00849A	STABILIZER	ABS	1	1	
3-5	DB69-00839A	CUSHION-TRAY RH	EPS30	1	1	
3-6	DB73-00180A	RUBBER-CAP	GUM-EPM	1	1	
3-7	DB95-20138A	ASS'Y-STEPPING-MOTOR	PM24-600g, 24BYJ48	1	1	
3-8	DB94-00458B	ASS'Y DRAIN HOSE	ASS'Y	1	1	
3-8-1	DB61-01715A	CLIP TERMINAL HOSE	STS, PI1.0	1	1	
4	DB93-02481L	ASS'Y-CONTROL IN	ASS'Y	1	1	Refer to page 24
5	DB92-00536A	ASS'Y-PANEL FRONT	ASS'Y	1	1	
5-1	DB64-00989A	PANEL-FRONT	PS	1	1	
5-2	DB64-00990A	GRILLE-AIR INLET	HIPS	1	1	
5-3	DB97-02064A	ASS'Y-COVER DISPLAY	ASS'Y	1	1	
5-4	DB63-00846A	GUARD-AIR FILTER	PP	2	2	
6	DB70-00406A	PLATE-HANGER	SGCC-M T0.6x320x650	1	1	
7	DB61-01638A	HOLDER-PIPE	PS	1	1	
8	DB63-00844A	COVER TERMINAL	ABS-V0	1	1	
9	DB93-02532B	ASS'Y-REMOCON	REMOCON	1	1	

■ **Parts List(cont.)**

No.	Code No.	Description	Specification	Q'TY		Remark
				SH09ZWH AQ09WHWE	SH12ZWH AQ12WHWE	
1	DB94-00454B	ASS'Y-BACK BODY	ASS'Y	1	1	
1-1	DB61-01632A	BACK-BODY	HIPS	1	1	
1-2	DB69-00834A	CUSHION-BACK BODY	EPS	1	1	
1-3	DB61-01634A	SUPPORTER-EVAP RH	HIPS	1	1	
1-4	DB31-00219A	MOTOR-IN	YDK-20S4F8C-1	1	1	
1-5	DB94-00456A	ASS'Y-CROSS FAN	OD92x635	1	1	
1-6	DB97-02075A	ASS'Y BOLT-SPECIAL	ASS'Y	1	1	
1-7	DB73-00181A	RUBBER-BEARING	RUBBER	1	1	
1-8	DB94-40007A	MOLD-BEARING	BEARING	1	1	
2	DB96-03112C	ASS'Y CYCLE IN	ASS'Y	-	1	
	DB96-03112D	ASS'Y CYCLE IN	ASS'Y	1	-	
2-1	DB63-00850A	COVER BEARING	ABS	1	1	
2-2	DB60-00118A	SPACE-EVAP-LOW	PVC	1	1	
2-3	DB96-03060A	ASS'Y-EVAP	1.3S, 2x14	-	1	
	DB96-03257A	ASS'Y-EVAP	1.5S, 2x14	1	-	
3	DB94-00457D	ASS'Y-TRAY DRAIN	ASS'Y	1	1	
3-1	DB63-00848A	TRAY-DRAIN	ABS	1	1	
3-2	DB61-01635A	BLADE-H	HIPS	1	1	
3-3	DB61-01636A	BLADE-V	PP	2	2	
3-4	DB63-00849A	STABILIZER	ABS	1	1	
3-5	DB69-00839A	CUSHION-TRAY RH	EPS30	1	1	
3-6	DB73-00180A	RUBBER-CAP	GUM-EPM	1	1	
3-7	DB95-20138A	ASS'Y-STEPPING-MOTOR	PM24-600g, 24BYJ48	1	1	
3-8	DB94-00458B	ASS'Y DRAIN HOSE	ASS'Y	1	1	
3-8-1	DB61-01715A	CLIP TERMINAL HOSE	STS, PI1.0	1	1	
4	DB93-02481*	ASS'Y-CONTROL IN	ASS'Y	1	1	Refer to page 24
5	DB92-00536A	ASS'Y-PANEL FRONT	ASS'Y	1	1	
5-1	DB64-00989A	PANEL-FRONT	PS	1	1	
5-2	DB64-00990A	GRILLE-AIR INLET	HIPS	1	1	
5-3	DB97-02064A	ASS'Y-COVER DISPLAY	ASS'Y	1	1	
5-4	DB63-00846A	GUARD-AIR FILTER	PP	2	2	
6	DB70-00406A	PLATE-HANGER	SGCC-M T0.6x320x650	1	1	
7	DB61-01638A	HOLDER-PIPE	PS	1	1	
8	DB63-00844A	COVER TERMINAL	ABS-V0	1	1	
9	DB93-02532B	ASS'Y-REMOCON	REMOCON	1	1	

■ **Parts List(cont.)**

No.	Code No.	Description	Specification	Q'TY		Remark
				KFR-25G / SWA	KFR-35G / SWA	
1	DB94-00454B	ASS'Y-BACK BODY	ASS'Y	1	1	
1-1	DB61-01632A	BACK-BODY	HIPS	1	1	
1-2	DB69-00834A	CUSHION-BACK BODY	EPS	1	1	
1-3	DB61-01634A	SUPPORTER-EVAP RH	HIPS	1	1	
1-4	DB31-00219A	MOTOR-IN	YDK-20S4F8C-1	1	1	
1-5	DB94-00456A	ASS'Y-CROSS FAN	OD92x635	1	1	
1-6	DB97-02075A	ASS'Y BOLT-SPECIAL	ASS'Y	1	1	
1-7	DB73-00181A	RUBBER-BEARING	RUBBER	1	1	
1-8	DB94-40007A	MOLD-BEARING	BEARING	1	1	
2	DB96-03112C	ASS'Y CYCLE IN	ASS'Y	-	1	
	DB96-03112D	ASS'Y CYCLE IN	ASS'Y	1	-	
2-1	DB63-00850A	COVER BEARING	ABS	1	1	
2-2	DB60-00118A	SPACE-EVAP-LOW	PVC	1	1	
2-3	DB96-03060A	ASS'Y-EVAP	1.3S, 2x14	-	1	
	DB96-03257A	ASS'Y-EVAP	1.5S, 2x14	1	-	
3	DB94-00457D	ASS'Y-TRAY DRAIN	ASS'Y	1	1	
3-1	DB63-00848A	TRAY-DRAIN	ABS	1	1	
3-2	DB61-01635A	BLADE-H	HIPS	1	1	
3-3	DB61-01636A	BLADE-V	PP	2	2	
3-4	DB63-00849A	STABILIZER	ABS	1	1	
3-5	DB69-00839A	CUSHION-TRAY RH	EPS30	1	1	
3-6	DB73-00180A	RUBBER-CAP	GUM-EPM	1	1	
3-7	DB95-20138A	ASS'Y-STEPPING-MOTOR	PM24-600g, 24BYJ48	1	1	
3-8	DB94-00458B	ASS'Y DRAIN HOSE	ASS'Y	1	1	
3-8-1	DB61-01715A	CLIP TERMINAL HOSE	STS, PI1.0	1	1	
4	DB93-02481*	ASS'Y-CONTROL IN	ASS'Y	1	1	Refer to page 24
5	DB92-00536B	ASS'Y-PANEL FRONT	ASS'Y	1	1	
5-1	DB64-00989A	PANEL-FRONT	PS	1	1	
5-2	DB64-00990A	GRILLE-AIR INLET	HIPS	1	1	
5-3	DB97-02064A	ASS'Y-COVER DISPLAY	ASS'Y	1	1	
5-4	DB63-00846B	GUARD-AIR FILTER	PP	2	2	
6	DB70-00406A	PLATE-HANGER	SGCC-M T0.6x320x650	1	1	
7	DB61-01638A	HOLDER-PIPE	PS	1	1	
8	DB63-00844A	COVER TERMINAL	ABS-V0	1	1	
9	DB93-02532D	ASS'Y-REMOCON	REMOCON	1	1	

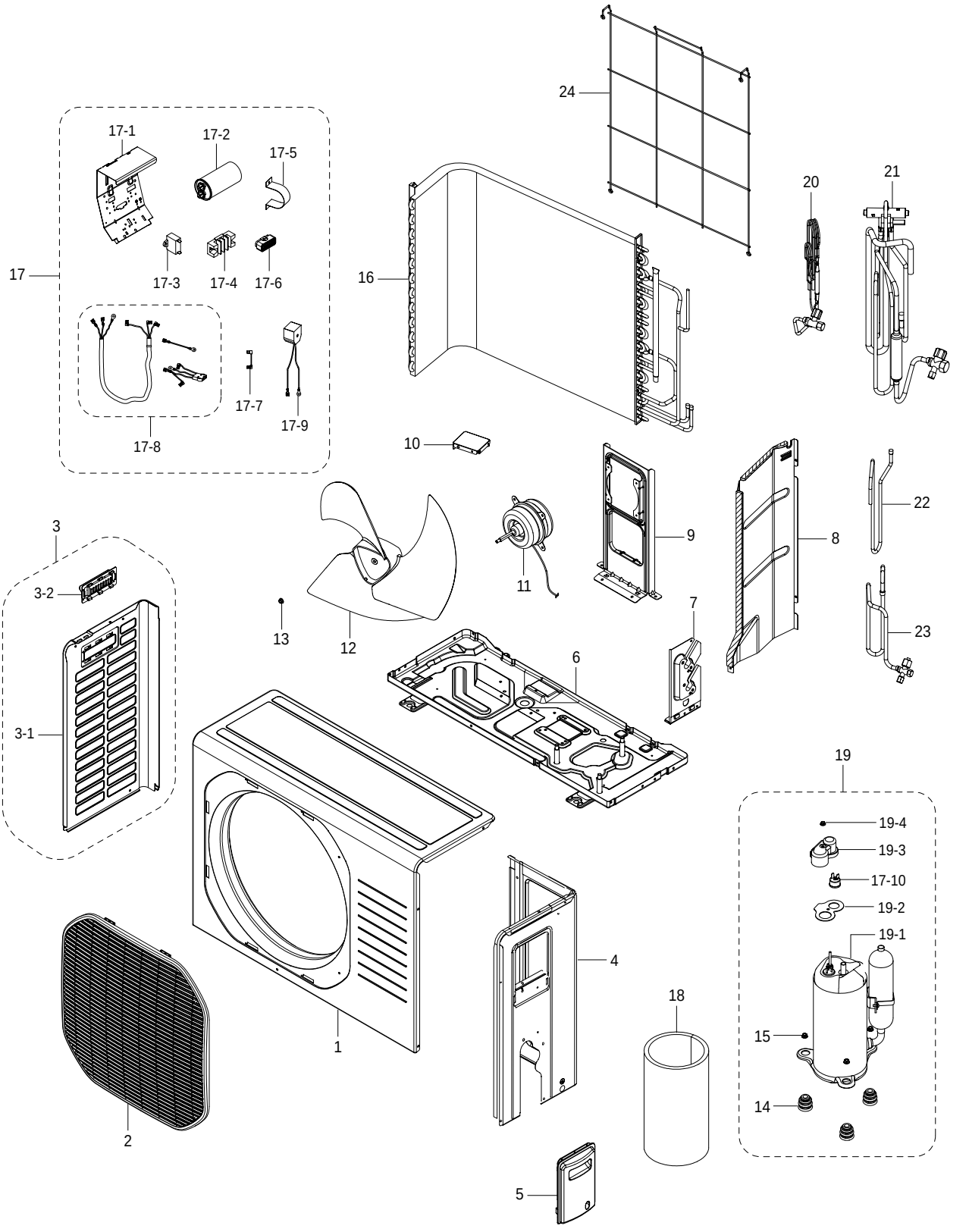
■ **Parts List(cont.)**

No.	Code No.	Description	Specification	Q'TY		Remark
				SH09ZWH (RUSSIA)	SH12ZWH (RUSSIA)	
1	DB94-00454B	ASS'Y-BACK BODY	ASS'Y	1	1	
1-1	DB61-01632A	BACK-BODY	HIPS	1	1	
1-2	DB69-00834A	CUSHION-BACK BODY	EPS	1	1	
1-3	DB61-01634A	SUPPORTER-EVAP RH	HIPS	1	1	
1-4	DB31-00219A	MOTOR-IN	YDK-20S4F8C-1	1	1	
1-5	DB94-00456A	ASS'Y-CROSS FAN	OD92x635	1	1	
1-6	DB97-02075A	ASS'Y BOLT-SPECIAL	ASS'Y	1	1	
1-7	DB73-00181A	RUBBER-BEARING	RUBBER	1	1	
1-8	DB94-40007A	MOLD-BEARING	BEARING	1	1	
2	DB96-03112C	ASS'Y CYCLE IN	ASS'Y	-	1	
	DB96-03112D	ASS'Y CYCLE IN	ASS'Y	1	-	
2-1	DB63-00850A	COVER BEARING	ABS	1	1	
2-2	DB60-00118A	SPACE-EVAP-LOW	PVC	1	1	
2-3	DB96-03060A	ASS'Y-EVAP	1.3S, 2x14	-	1	
	DB96-03257A	ASS'Y-EVAP	1.5S, 2x14	1	-	
3	DB94-00457D	ASS'Y-TRAY DRAIN	ASS'Y	1	1	
3-1	DB63-00848A	TRAY-DRAIN	ABS	1	1	
3-2	DB61-01635A	BLADE-H	HIPS	1	1	
3-3	DB61-01636A	BLADE-V	PP	2	2	
3-4	DB63-00849A	STABILIZER	ABS	1	1	
3-5	DB69-00839A	CUSHION-TRAY RH	EPS30	1	1	
3-6	DB73-00180A	RUBBER-CAP	GUM-EPM	1	1	
3-7	DB95-20138A	ASS'Y-STEPPING-MOTOR	PM24-600g, 24BYJ48	1	1	
3-8	DB94-00458B	ASS'Y DRAIN HOSE	ASS'Y	1	1	
3-8-1	DB61-01715A	CLIP TERMINAL HOSE	STS, PI1.0	1	1	
4	DB93-02481*	ASS'Y-CONTROL IN	ASS'Y	1	1	Refer to page 24
5	DB92-00536A	ASS'Y-PANEL FRONT	ASS'Y	1	1	
5-1	DB64-00989A	PANEL-FRONT	PS	1	1	
5-2	DB64-00990A	GRILLE-AIR INLET	HIPS	1	1	
5-3	DB97-02064A	ASS'Y-COVER DISPLAY	ASS'Y	1	1	
5-4	DB63-00846A	GUARD-AIR FILTER	PP	2	2	
6	DB70-00406A	PLATE-HANGER	SGCC-M T0.6x320x650	1	1	
7	DB61-01638A	HOLDER-PIPE	PS	1	1	
8	DB63-00844A	COVER TERMINAL	ABS-V0	1	1	
9	DB93-02532B	ASS'Y-REMOCON	REMOCON	1	1	

■ **Parts List(cont.)**

No.	Code No.	Description	Specification	Q'TY		Remark
				SH09ZWH (AUSTRALIA)	SH12ZWH (AUSTRALIA)	
1	DB94-00454B	ASS'Y-BACK BODY	ASS'Y	1	1	
1-1	DB61-01632A	BACK-BODY	HIPS	1	1	
1-2	DB69-00834A	CUSHION-BACK BODY	EPS	1	1	
1-3	DB61-01634A	SUPPORTER-EVAP RH	HIPS	1	1	
1-4	DB31-00219A	MOTOR-IN	YDK-20S4F8C-1	1	1	
1-5	DB94-00456A	ASS'Y-CROSS FAN	OD92x635	1	1	
1-6	DB97-02075A	ASS'Y BOLT-SPECIAL	ASS'Y	1	1	
1-7	DB73-00181A	RUBBER-BEARING	RUBBER	1	1	
1-8	DB94-40007A	MOLD-BEARING	BEARING	1	1	
2	DB96-03112C	ASS'Y CYCLE IN	ASS'Y	-	1	
	DB96-03112D	ASS'Y CYCLE IN	ASS'Y	1	-	
2-1	DB63-00850A	COVER BEARING	ABS	1	1	
2-2	DB60-00118A	SPACE-EVAP-LOW	PVC	1	1	
2-3	DB96-03060A	ASS'Y-EVAP	1.3S, 2x14	-	1	
	DB96-03257A	ASS'Y-EVAP	1.5S, 2x14	1	-	
3	DB94-00457D	ASS'Y-TRAY DRAIN	ASS'Y	1	1	
3-1	DB63-00848A	TRAY-DRAIN	ABS	1	1	
3-2	DB61-01635A	BLADE-H	HIPS	1	1	
3-3	DB61-01636A	BLADE-V	PP	2	2	
3-4	DB63-00849A	STABILIZER	ABS	1	1	
3-5	DB69-00839A	CUSHION-TRAY RH	EPS30	1	1	
3-6	DB73-00180A	RUBBER-CAP	GUM-EPM	1	1	
3-7	DB95-20138A	ASS'Y-STEPPING-MOTOR	PM24-600g, 24BYJ48	1	1	
3-8	DB94-00458B	ASS'Y DRAIN HOSE	ASS'Y	1	1	
3-8-1	DB61-01715A	CLIP TERMINAL HOSE	STS, PI1.0	1	1	
4	DB93-02481*	ASS'Y-CONTROL IN	ASS'Y	1	1	Refer to page 24
5	DB92-00536A	ASS'Y-PANEL FRONT	ASS'Y	1	1	
5-1	DB64-00989A	PANEL-FRONT	PS	1	1	
5-2	DB64-00990A	GRILLE-AIR INLET	HIPS	1	1	
5-3	DB97-02064A	ASS'Y-COVER DISPLAY	ASS'Y	1	1	
5-4	DB63-00846A	GUARD-AIR FILTER	PP	2	2	
6	DB70-00406A	PLATE-HANGER	SGCC-M T0.6x320x650	1	1	
7	DB61-01638A	HOLDER-PIPE	PS	1	1	
8	DB63-00844A	COVER TERMINAL	ABS-V0	1	1	
9	DB93-02532B	ASS'Y-REMOCON	REMOCON	1	1	

4-2 Outdoor Unit



■ Parts List

No.	Code No.	Description	Specification	Q'TY	
				SH09AWHX	SH12AWHX
1	DB90-01341A	ASS'Y-CABI FRONT	T0.7, SECD-P	1	1
2	DB63-00847A	GUARD-FAN	PP, 378g	1	1
3	DB90-01332A	ASS'Y CABI SIDE LF	ASS'Y	1	1
3-1	DB64-01094A	CABI SIDE LF(COATING)	T0.6, SECC-P	1	1
3-2	DB64-00992A	HANDLE LF	PP, 30g	1	1
4	DB90-01331A	ASS'Y CABI SIDE RH	T0.6, SECC-P	1	1
5	DB63-00853A	COVER-CONTROL	ABS-V0, 66g	1	1
6	DB90-01330A	ASS'Y-BASE	T1.0, SECC-P	-	1
	DB90-01330B	ASS'Y-BASE	T1.0, SECC-P	1	-
7	DB99-00401A	ASS'Y BRACKET VALVE	SECC-P, T1.0x95x235	1	1
8	DB94-00459C	ASS'Y-PARTITION	ASS'Y, SGCC-M, T0.6	-	1
	DB94-00459B	ASS'Y-PARTITION	ASS'Y, SGCC-M, T0.6	1	-
9	DB61-01644A	BRACKET-MOTOR	SGCC-M T0.6x370x490	1	1
10	DB97-02225A	ASS'Y PLATE SUPPORT B/M	ASS'Y	-	1
	DB97-02225B	ASS'Y PLATE SUPPORT B/M	ASS'Y	1	-
11	DB31-00220A	MOTOR-OUT	YDK-25F6M13E-1	1	1
12	DB67-00397A	PROPELLER-FAN	AS+G/F 20%, 422g	1	1
13	DB60-30004A	NUT FLANGE		1	1
14	DB63-00815A	GROMMET	NR	-	3
	DB63-00763A	GROMMET	NR	3	-
15	DB60-30028A	NUT WASHER		3	3
16	DB96-03061A	ASS'Y-COND	2x24, FP1.5, LOUVER	-	1
	DB96-03172A	ASS'Y-COND	1x24, FP1.5, LOUVER	1	-
17	DB93-02554A	ASS'Y-CONTROL OUT	ASS'Y	-	1
	DB93-02554B	ASS'Y-CONTROL OUT	ASS'Y	1	-
17-1	DB61-01642A	CASE-CONTROL OUT	SGCC-M T0.6x150x250	1	1
17-2	2501-001236	CAPACITOR-COMP	30μFx450V	-	1
	2501-001237	CAPACITOR-COMP	35μFx450V	1	-
17-3	2301-001375	CAPACITOR-MOTOR	1.5μFx450V	1	1
17-4	DB65-40049E	TERMINAL-BLOCK		1	1
17-5	DB65-10046A	CLIP-CAPACITOR		1	1
17-6	DB61-00250A	HOLDER-WIRE		1	1
17-7	DB93-50062C	LEAD WIRE		1	1
17-8	DB93-00481H	ASS'Y LEAD WIRE		-	1
	DB93-00481J	ASS'Y LEAD WIRE		1	-
17-9	DB33-00050A	SOLENOID-ASS'Y	WIRE, ASS'Y	1	1
17-10	DB35-00029A	OLP	MRA99908-9201	-	1
	DB35-00029B	OLP	MRA99134-9201	1	-
18	DB72-00726A	SPONGE-FELT COMP CLOTH	FELT+PVC	-	1
	DB72-00726B	SPONGE-FELT COMP CLOTH	FELT+PVC	1	-
19	DB95-00468A	ASS'Y-COMP		-	1
	DB95-00467A	ASS'Y-COMP		1	-
19-1	DB95-00501A	COMP	802 354 45, SANYO	-	1
	DB95-00534A	COMP	802 141 55, SANYO	1	-
19-2	DB63-00943A	GASKET		-	1
	DB63-00999A	GASKET		1	-
19-3	DB63-00942A	COVER-TERMINAL		1	1
19-4	DB60-30018A	NUT FLANGE		1	1
20	DB96-03062A	ASS'Y CHECK VALVE	ASS'Y	-	1
	DB96-03049A	ASS'Y CAPILLARY	ASS'Y	1	-
21	DB99-00445A	ASS'Y 4WAY VALVE	ASS'Y	-	1
	DB99-00413A	ASS'Y 4WAY VALVE	ASS'Y	1	-
22	DB96-03232A	ASS'Y-TUBE SUCTION	ASS'Y	-	-
	DB62-02566A	ASS'Y-TUBE SUCTION	ASS'Y	-	-
23	DB62-02557A	TUBE DISCHARGE	C1220T-0	-	-
	DB62-02565A	TUBE DISCHARGE	C1220T-0	-	-
24	DB71-00090A	BAR-STEEL		-	1
	DB71-00090B	BAR-STEEL		1	-

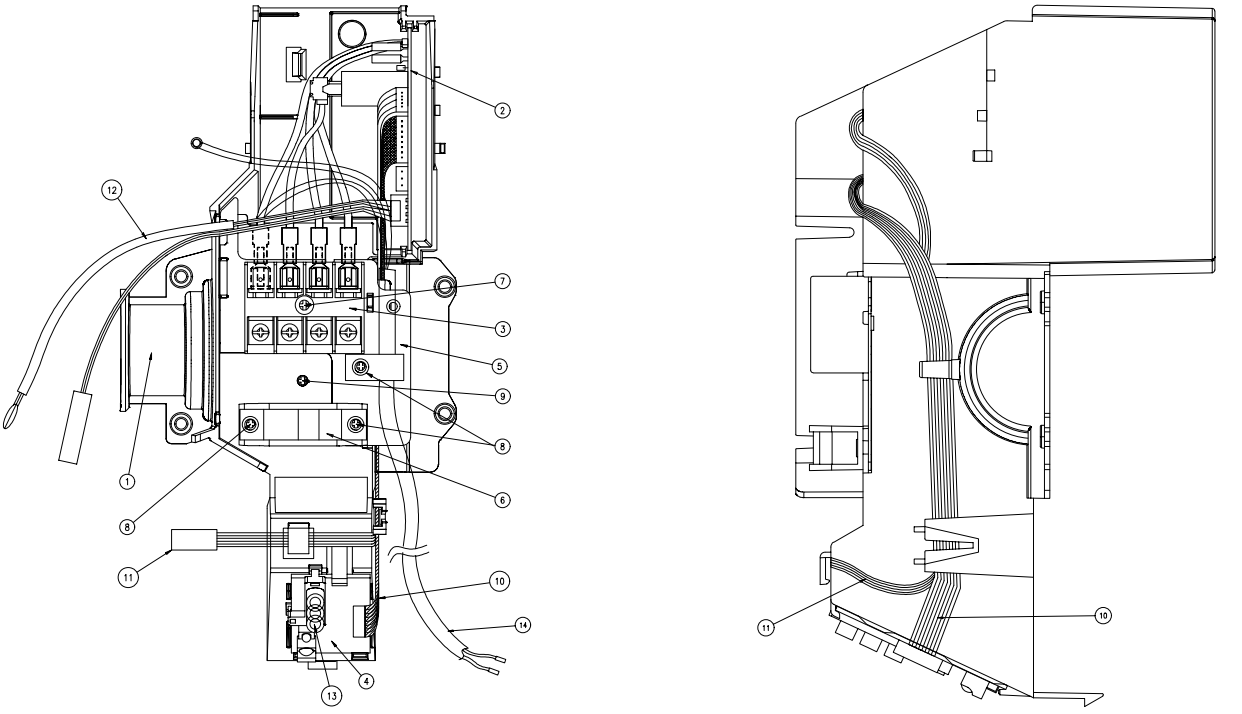
■ Parts List(cont.)

No.	Code No.	Description	Specification	Q'TY	
				SH09ZWHX UQ09WHWE	SH12ZWHX UQ12WHWE
1	DB90-01341A	ASS'Y-CABI FRONT	T0.7, SECD-P	1	1
2	DB63-00847A	GUARD-FAN	PP, 378g	1	1
3	DB90-01332A	ASS'Y CABI SIDE LF	ASS'Y	1	1
3-1	DB64-01094A	CABI SIDE LF(COATING)	T0.6, SECC-P	1	1
3-2	DB64-00992A	HANDLE LF	PP, 30g	1	1
4	DB90-01331A	ASS'Y CABI SIDE RH	T0.6, SECC-P	1	1
5	DB63-00853A	COVER-CONTROL	ABS-V0, 66g	1	1
6	DB90-01330E	ASS'Y-BASE	T1.0, SECC-P	-	1
	DB90-01330B	ASS'Y-BASE	T1.0, SECC-P	1	-
7	DB99-00401A	ASS'Y BRACKET VALVE	SECC-P, T1.0x95x235	1	1
8	DB94-00459C	ASS'Y-PARTITION	ASS'Y, SGCC-M, T0.6	-	1
	DB94-00459B	ASS'Y-PARTITION	ASS'Y, SGCC-M, T0.6	1	-
9	DB61-01644A	BRACKET-MOTOR	SGCC-M T0.6x370x490	1	1
10	DB97-02225A	ASS'Y PLATE SUPPORT B/M	ASS'Y	-	1
	DB97-02225B	ASS'Y PLATE SUPPORT B/M	ASS'Y	1	-
11	DB31-00220A	MOTOR-OUT	YDK-25F6M13E-1	1	1
12	DB67-00397A	PROPELLER-FAN	AS+G/F 20%, 422g	1	1
13	DB60-30004A	NUT FLANGE		1	1
14	DB63-00815A	GROMMET	NR	-	3
	DB63-00763A	GROMMET	NR	3	-
15	DB60-30028A	NUT WASHER		3	3
16	DB96-03580A	ASS'Y-COND	2x24, FP1.5, LOUVER	-	1
	DB96-03581A	ASS'Y-COND	1x24, FP1.5, LOUVER	1	-
17	DB93-02748A	ASS'Y-CONTROL OUT	ASS'Y	-	1
	DB93-02748B	ASS'Y-CONTROL OUT	ASS'Y	1	-
17-1	DB61-01642A	CASE-CONTROL OUT	SGCC-M T0.6x150x250	1	1
17-2	2501-001236	CAPACITOR-COMP	30µFx450V	-	1
	2501-001238	CAPACITOR-COMP	40µFx450V	1	-
17-3	2301-001375	CAPACITOR-MOTOR	1.5µFx450V	1	1
17-4	DB65-40049E	TERMINAL-BLOCK		1	1
17-5	DB65-10046A	CLIP-CAPACITOR		1	1
17-6	DB61-00250A	HOLDER-WIRE		1	1
17-7	DB93-50062C	LEAD WIRE		1	1
17-8	DB93-00481H	ASS'Y LEAD WIRE		1	1
17-9	DB33-00050A	SOLENOID-ASS'Y	WIRE, ASS'Y	1	1
17-10	DB35-00030C	OLP	RAC12074-9622	-	1
	DB35-00020G	OLP	RAC12110-9622	1	-
18	DB72-00726E	SPONGE-FELT COMP CLOTH	FELT+PVC	-	1
	DB72-00726D	SPONGE-FELT COMP CLOTH	FELT+PVC	1	-
19	DB95-00552A	ASS'Y-COMP		-	1
	DB95-00551A	ASS'Y-COMP		1	-
19-1	48D129JU1EL	COMP	SEC	-	1
	44B102JX1EL	COMP	SEC	1	-
19-2	DB63-20002A	GASKET		1	1
19-3	DB63-10165D	COVER-TERMINAL		1	1
19-4	DB60-30018A	NUT FLANGE		1	1
20	DB99-00453A	ASS'Y CHECK VALVE	ASS'Y	-	1
	DB99-00478A	ASS'Y CHECK VALVE	ASS'Y	1	-
21	DB99-00475A	ASS'Y 4WAY VALVE	ASS'Y	-	1
	DB99-00477A	ASS'Y 4WAY VALVE	ASS'Y	1	-
22	DB96-03313A	ASS'Y-TUBE SUCTION	ASS'Y	-	-
	DB96-03320A	ASS'Y-TUBE SUCTION	ASS'Y	-	-
23	DB96-02633A	TUBE DISCHARGE	C1220T-0	-	-
	DB96-02645A	TUBE DISCHARGE	C1220T-0	-	-
24	DB71-00090A	BAR-STEEL		-	1
	DB71-00090B	BAR-STEEL		1	-

■ **Parts List(cont.)**

No.	Code No.	Description	Specification	Q'TY	
				KFR-25W / SWA	KFR-35W / SWA
1	DB90-01341A	ASS'Y-CABI FRONT	T0.7, SECD-P	1	1
2	DB63-00847A	GUARD-FAN	PP, 378g	1	1
3	DB90-01332A	ASS'Y CABI SIDE LF	ASS'Y	1	1
3-1	DB64-01094A	CABI SIDE LF(COATING)	T0.6, SECC-P	1	1
3-2	DB64-00992A	HANDLE LF	PP, 30g	1	1
4	DB90-01331A	ASS'Y CABI SIDE RH	T0.6, SECC-P	1	1
5	DB63-00853A	COVER-CONTROL	ABS-V0, 66g	1	1
6	DB90-01330E	ASS'Y-BASE	T1.0, SECC-P	-	1
	DB90-01330B	ASS'Y-BASE	T1.0, SECC-P	1	-
7	DB99-00401A	ASS'Y BRACKET VALVE	SECC-P, T1.0x95x235	1	1
8	DB94-00459C	ASS'Y-PARTITION	ASS'Y, SGCC-M, T0.6	-	1
	DB94-00459B	ASS'Y-PARTITION	ASS'Y, SGCC-M, T0.6	1	-
9	DB61-01644A	BRACKET-MOTOR	SGCC-M T0.6x370x490	1	1
10	DB97-02225A	ASS'Y PLATE SUPPORT B/M	ASS'Y	-	1
	DB97-02225B	ASS'Y PLATE SUPPORT B/M	ASS'Y	1	-
11	DB31-00220A	MOTOR-OUT	YDK-25F6M13E-1	1	1
12	DB67-00397A	PROPELLER-FAN	AS+G/F 20%, 422g	1	1
13	DB60-30004A	NUT FLANGE		1	1
14	DB63-00815A	GROMMET	NR	-	3
	DB63-00763A	GROMMET	NR	3	-
15	DB60-30028A	NUT WASHER		3	3
16	DB96-03580A	ASS'Y-COND	2x24, FP1.5, LOUVER	-	1
	DB96-03581A	ASS'Y-COND	1x24, FP1.5, LOUVER	1	-
17	DB93-02748C	ASS'Y-CONTROL OUT	ASS'Y	-	1
	DB93-02748D	ASS'Y-CONTROL OUT	ASS'Y	1	-
17-1	DB61-01642A	CASE-CONTROL OUT	SGCC-M T0.6x150x250	1	1
17-2	2501-001236	CAPACITOR-COMP	30μFx450V	-	1
	2501-001237	CAPACITOR-COMP	35μFx450V	1	-
17-3	2301-001375	CAPACITOR-MOTOR	1.5μFx450V	1	1
17-4	DB65-40049H	TERMINAL-BLOCK		1	1
17-5	DB65-10046A	CLIP-CAPACITOR		1	1
17-6	DB61-00250A	HOLDER-WIRE		1	1
17-7	DB93-50062C	LEAD WIRE		1	1
17-8	DB93-00481H	ASS'Y LEAD WIRE		1	1
17-9	DB33-00050A	SOLENOID-ASS'Y	WIRE, ASS'Y	1	1
17-10	DB35-00030C	OLP	RAC12074-9622	-	1
	DB35-00030A	OLP	RAC12054-9622	1	-
18	DB72-00726E	SPONGE-FELT COMP CLOTH	FELT+PVC	-	1
	DB72-00726D	SPONGE-FELT COMP CLOTH	FELT+PVC	1	-
19	DB95-00543A	ASS'Y-COMP		-	1
	DB95-00542A	ASS'Y-COMP		1	-
19-1	48D129MXAEL	COMP	SSEC	-	1
	44B102MXAEL	COMP	SSEC	1	-
19-2	DB63-20002A	GASKET		1	1
19-3	DB63-10165D	COVER-TERMINAL		1	1
19-4	DB60-30018A	NUT FLANGE		1	1
20	DB99-00453A	ASS'Y CHECK VALVE	ASS'Y	-	1
	DB99-00478B	ASS'Y CHECK VALVE	ASS'Y	1	-
21	DB99-00475A	ASS'Y 4WAY VALVE	ASS'Y	-	1
	DB99-00491A	ASS'Y 4WAY VALVE	ASS'Y	1	-
22	DB96-03313A	ASS'Y-TUBE SUCTION	ASS'Y	-	-
	DB96-03320A	ASS'Y-TUBE SUCTION	ASS'Y	-	-
23	DB96-02633A	TUBE DISCHARGE	C1220T-0	-	-
	DB96-02645A	TUBE DISCHARGE	C1220T-0	-	-
24	DB71-00090A	BAR-STEEL		-	1
	DB71-00090B	BAR-STEEL		1	-

4-3 Ass'y-Control In(Code No : DB93-02481✳)

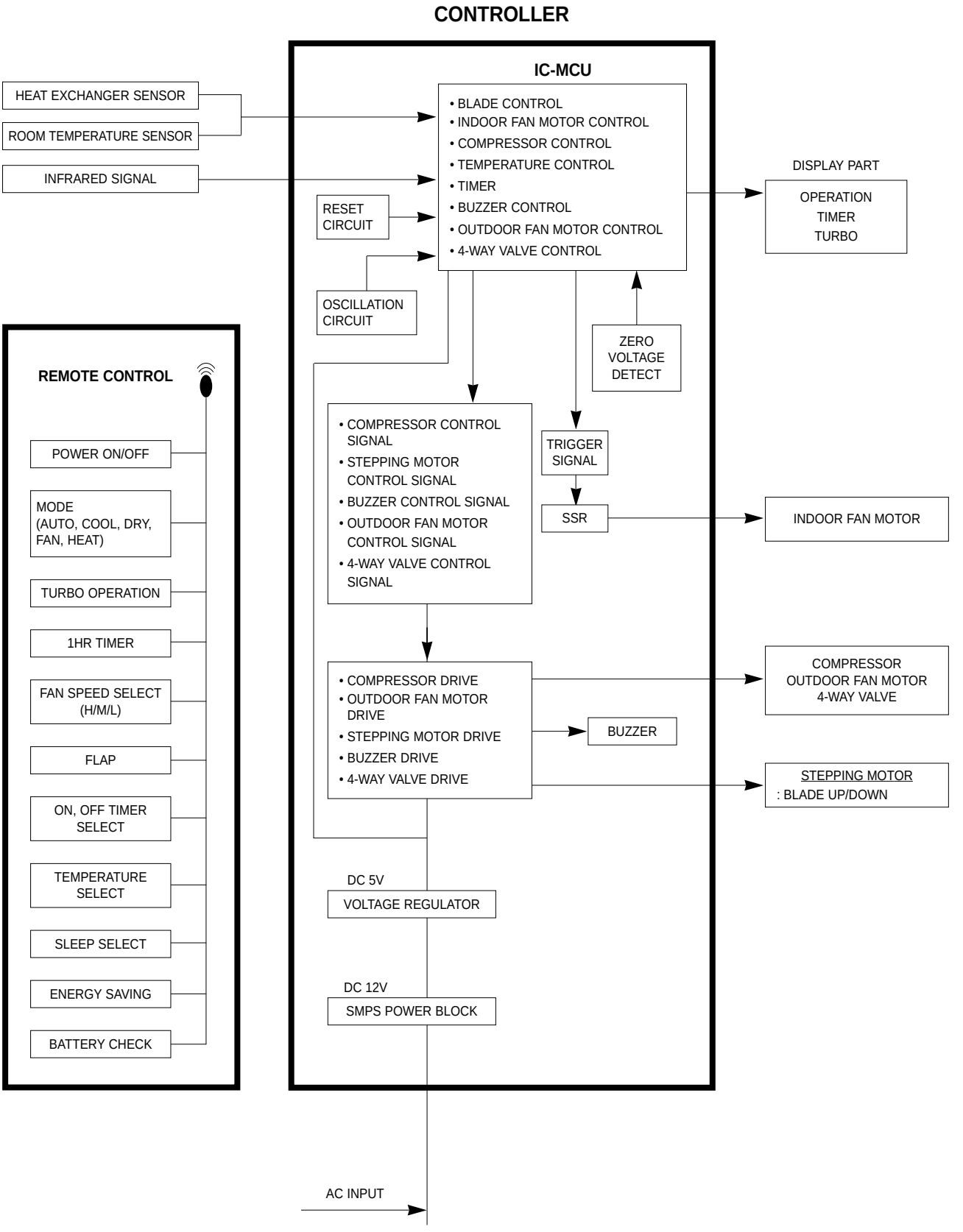


Code No.	MODEL	Code No.	MODEL
DB93-02481L	SH09AWH/EDC, SH12AWH/EDC, SH09ZWH/EDC,	DB93-02481G	KFR-35GW/SWA
	SH12ZWH/EDC, AQ09WHWE/FES, AQ12WHWE/FES	DB93-02481J	KFR-25GW/SWA
DB93-02481C	SH09ZWH/XSA, SH12ZWH/XSA		
DB93-02481E	SH09ZWH/SER, SH12ZWH/SER, SH09ZWH/XFO,		
	SH12ZWH/XFO		

■ **Parts List**

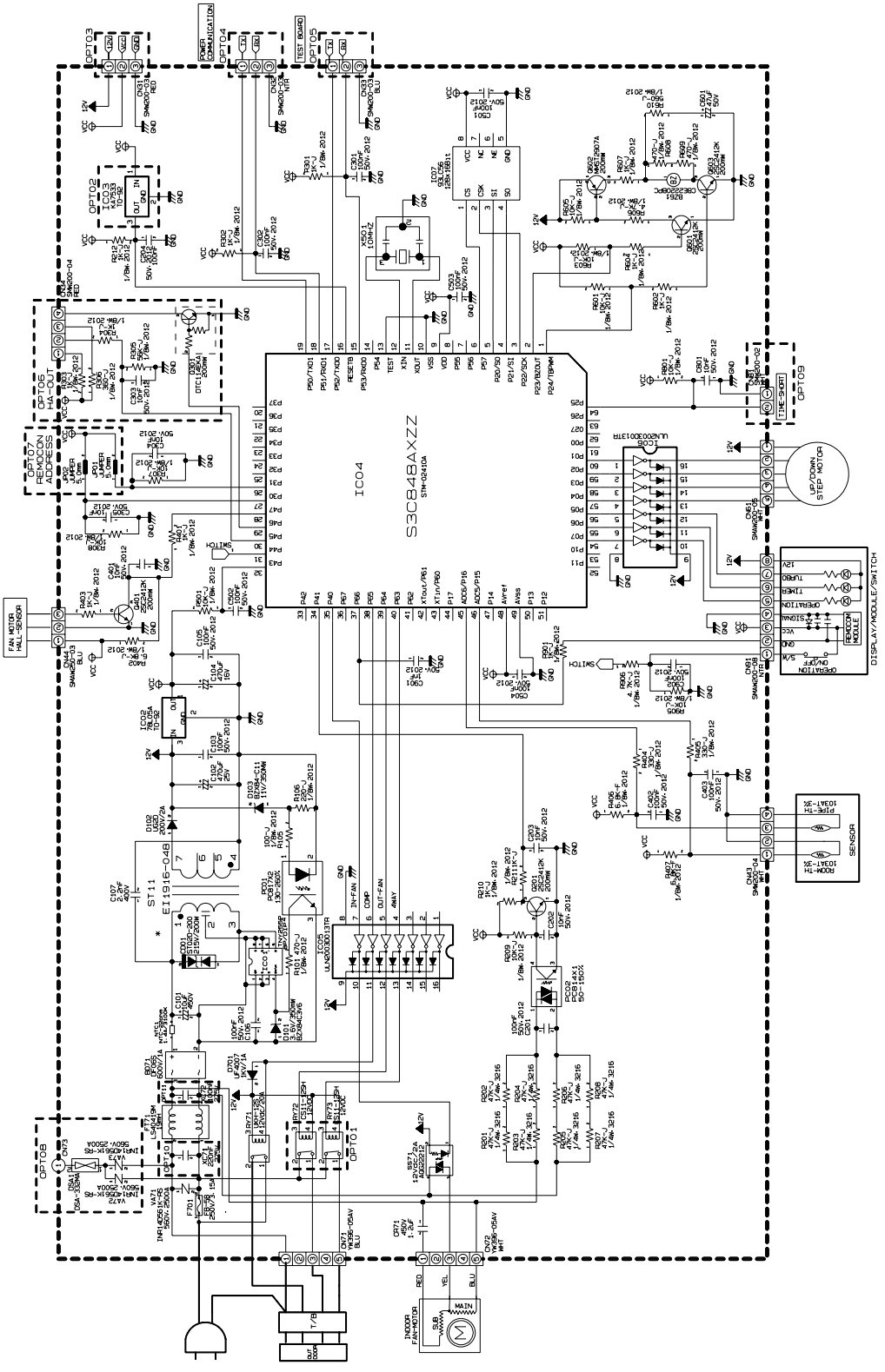
No.	Code No.	Description	Specification	Q'TY	Remark
1	DB61-01637A	CASE-CONTROL	ABS	1	
2	DB93-02482A	ASS'Y PCB MAIN	FR-4, 120x90	1	
3	DB65-00140A	ASS'Y TERMINAL BLOCK	4P	1	
4	DB93-02483A	ASS'Y S/W & MODULE & DISPLAY PCB	FR-1, 30x70	1	
5	DB61-01639A	PLATE-CONTROL	SGCC-M, T1-2	1	
6	DB61-00171A	HOLDER-WIRE CLAMP	ABS	1	
7	-	SCREW-MACHINE	PH M3xL22	1	SNA
8	-	SCREW-MACHINE	TH M4xL16	2	SNA
9	-	SCREW-MACHINE	TH M4xL10	1	SNA
10	DB39-00949A	CONNECTOR WIRE S/W & MODULE & DISPLAY	8P	1	
11	DB39-00147D	CONNECTOR WIRE STEP MOTOR UP/DOWN	5P	1	
12	DB32-00020D	ASS'Y THERMISTOR WIRE	4P(103AT)	1	
13	DB63-00851A	COVER CLAMP	HIPS	1	
14	-	POWER CORD	3P	1	

5. Block Diagram



6. Schematic Diagram

6-1 Indoor Unit



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MEMO

MEMO

3. Set Up the Model Option

3-1 Setting Option Setup Method

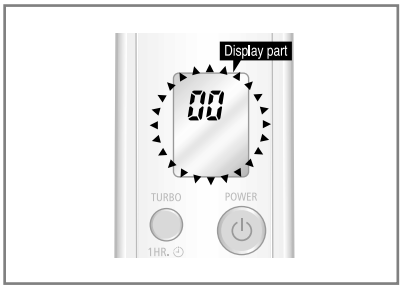
Option No. : 25 02 57 03 40 (SH12AWH)

Step 1 : **Enter the Option Setup mode.**

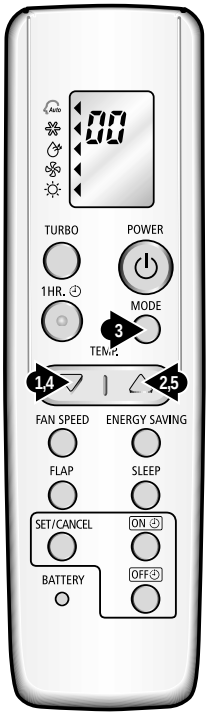
1st Take out the batteries of remote control.

2nd Press the temperature (▽ | △) button simultaneously and insert the battery again.

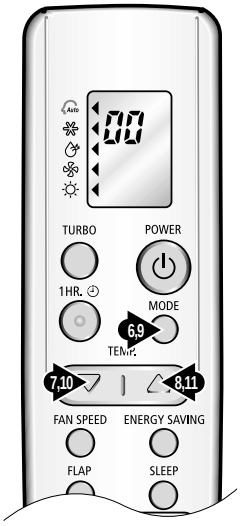
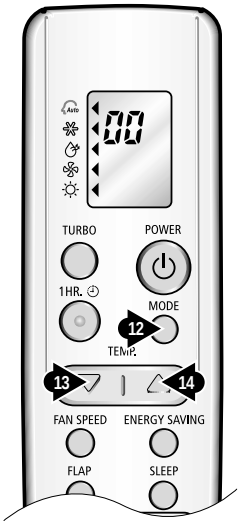
3rd Make sure the remocon display shown as .



Step 2 : **Enter the Option Setup mode and select your option according to the following procedure.**



	Feature	Display
1	Setting Option SEG1. Push the ▽ button to set the display panel to 2. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ ··· 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.	
2	Setting Option SEG2. Push the △ button to set the display panel to 5. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ ··· 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.	
3	Change it into the set display of Option SEG3 and SEG4 with the MODE button.	
4	Setting Option SEG3. Push the ▽ button to set the display panel to 0. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ ··· 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.	
5	Setting Option SEG4. Push the △ button to set the display panel to 2. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ ··· 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.	

	Feature	Display
	**6** Change it into the set display of Option SEG5 and SEG6 with the MODE button.	
	7 Setting Option SEG5. Push the ▽ button to set the display panel to 5. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ · · · 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.	
	8 Setting Option SEG6. Push the △ button to set the display panel to 7. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ · · · 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.	
	9 Change it into the set display of Option SEG7 and SEG8 with the MODE button.	
	10 Setting Option SEG7. Push the ▽ button to set the display panel to 0. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ · · · 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.	
	**11** Setting Option SEG8. Push the △ button to set the display panel to 3. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ · · · 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.	
	12 Change it into the set display of Option SEG9 and SEG10 with the MODE button.	
	13 Setting Option SEG9. Push the ▽ button to set the display panel to 4. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ · · · 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.	
	14 Setting Option SEG10. Push the △ button to set the display panel to 0. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ · · · 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.	

Step 3 : Upon completion of the selection, check you made right selections.

Whenever you press the MODE button, the set Option will be displayed.

Step 4 : Pressing the ON/OFF button ( )

When pressing the operation ON/OFF key with the direction of remote controller for unit, the sound "Ding" is heard and the OPERATION LED lamp is flickering at the same time, then the input of option is completed. (If the "ding" sound isn't heard, try again pressing the ON/OFF button.)

Step 5 : Unit operation test-run

First, Remove the battery from the remote controller.

Second, Re-insert the battery into the remote controller.

Third, Press ON/OFF ( ) key with the direction of remote controller for set.

• Error Mode

1st If all lamps of indoor unit are flickering, Plug out, plug in battery again and press ON/OFF key to retry.

2nd If the unit is not working properly or all lamps are continuously flickering after setting the option code, see if the correct option code is set up for its model.

3-2 Table of the option Code

Model	Option Code									
	SEG1	SEG2	SEG3	SEG4	SEG5	SEG6	SEG7	SEG8	SEG9	SEG10
SH12AWH SH12ZWH AQ12WHWE KFR-35G / SWA	2	5	0	2	5	7	0	3	4	0
SH09AWH	2	5	0	2	5	7	0	0	c	8
SH09ZWH AQ09WHWE KFR-25G / SWA	2	5	0	2	5	7	0	0	F	b

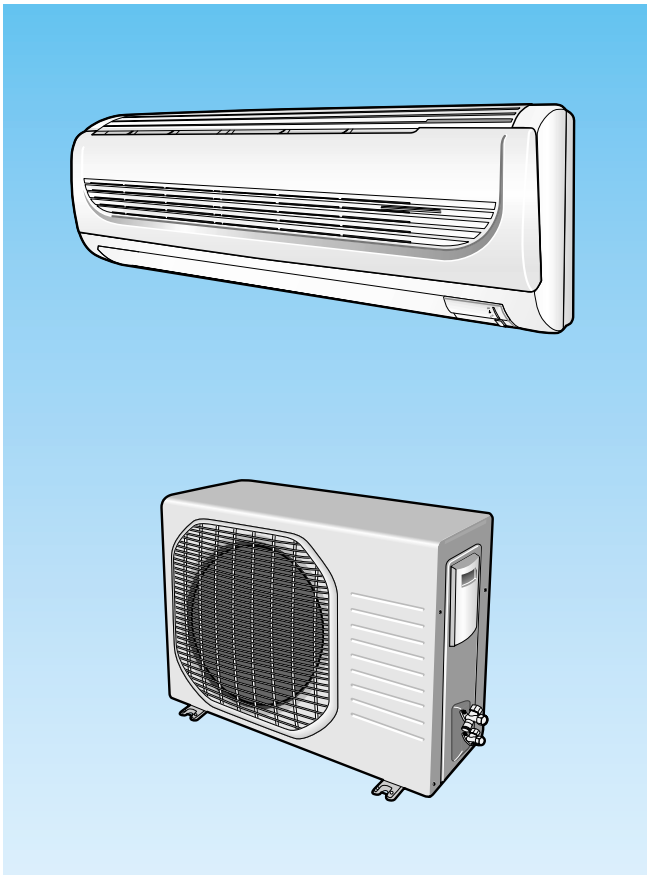
SAMSUNG

ROOM AIR CONDITIONER

INDOOR UNIT	OUTDOOR UNIT
SH09AWH	SH09AWHX
SH09ZWH	SH09ZWHX
AQ09WHWE	UQ09WHWE
KFR-25G/SWA	KFR-25W/SWA
SH12AWH	SH12AWHX
SH12ZWH	SH12ZWHX
AQ12WHWE	UQ12WHWE
KFR-35G/SWA	KFR-35W/SWA

SERVICE Manual

AIR CONDITIONER



CONTENTS

1. Product Specifications
2. Disassembly and Reassembly
3. Set Up the Model Option
4. Exploded Views and Parts List
5. Block Diagram
6. Schematic Diagram

1. Product Specifications

1-1 Table

Item				Model	SH09AWH		SH12AWH	
					Indoor unit	Outdoor unit	Indoor unit	Outdoor unit
Type					Wall-mounted		Wall-mounted	
Perfor-mance	Cooling			kW	2.75		3.5	
	Heating			kW	2.90		4.2	
	Dehumidifying			ℓ/h	1.0		1.4	
	Air Volume	Cooling		m^3/min	7.3	25	8.3	25
		Heating			8.0	25	9.0	25
	Noise	Cooling		dB	38 / 36 / 34	51 / 51	41 / 39 / 37	53 / 53
		Heating			38 / 36 / 34	51 / 51	41 / 39 / 37	53 / 53
	Energy Efficiency Ratio	Cooling		W/W	2.81		2.82	
		Heating			3.22		3.23	
	Power			V-Hz	1-220 / 240-50		1-220 / 240-50	
Power	Power Consumption	Cooling		W	980		1,240	
		Heating			900		1,300	
	Operating Current	Cooling		A	4.5		5.7	
		Heating			4.5		5.7	
	Power Factor	Cooling		%	96.5		98.3	
		Heating			95.5		98.0	
	Starting Current			A	21.0		30.0	
	Power Cord	Length		m	-		-	
		Number of Core Wire			-		-	
		Capacity		A	250V-10A		250V-10A	
Size	Outer Dimension	Width x Height x Depth		mm	825 x 285 x 189	720 x 548 x 265	825 x 285 x 189	720 x 548 x 265
				inch	32.5 x 11.2 x 7.44	28.4 x 21.6 x 10.4	32.5 x 11.2 x 7.44	28.4 x 21.6 x 10.4
	Weight(Net)			kg	8.2	31.3	8.4	33.8
	Refrigerant Pipe	Liquid		mm x L(m)	ø6.35 x 7.5		ø6.35 x 7.5	
		GAS		mm x L(m)	ø9.52 x 7.5		ø9.52 x 7.5	
	Drain Hose			D x L(mm)	ø18 x 550		ø18 x 550	
	Compressor	Type			Rotary		Rotary	
		Motor	Type		Induction Motor(PSC)		Induction Motor(PSC)	
			Rated Output		900		1,075	
	Oil Type				DAPHNE FV68S(PVE)		DAPHNE FV68S(PVE)	
	Blower	Type			Cross-flow	Propeller	Cross-flow	Propeller
		Motor	Type		steel	steel	steel	steel
			Rated Output	W	15	50	15	50
Heat Exchanger					2ROW 14STEP	1ROW 24STEP	2ROW 14STEP	2ROW 24STEP
Refrigerant Control Unit					CAPILLARY TUBE		CAPILLARY TUBE	
Freezer Oil Capacity				cc	350		520	
Refrigerant to Change(R410A)				g	650		1,020	
Protection Device(OLP)					MRA99134-9201		MRA99908-9201	
Cooling Test Condition					INDOOR UNIT : DB27˚C WB19˚C		OUTDOOR UNIT : DB35˚C WB24˚C	
Maximum Operation Condition					INDOOR UNIT : DB32˚C WB23˚C		OUTDOOR UNIT : DB43˚C WB26˚C	

Table(cont.)

Item				Model	SH09ZWH		SH12ZWH	
					Indoor unit	Outdoor unit	Indoor unit	Outdoor unit
Type					Wall-mounted		Wall-mounted	
Perfor-mance	Cooling			kW	2.70		3.5	
	Heating			kW	2.90		4.0	
	Dehumidifying			ℓ/h	1.0		1.4	
	Air Volume	Cooling		m^3/min	7.3	25	8.3	25
		Heating			8.0	25	9.0	25
	Noise	Cooling		dB	38 / 36 / 34	51 / 51	41 / 39 / 37	53 / 53
		Heating			38 / 36 / 34	51 / 51	41 / 39 / 37	53 / 53
	Energy Efficiency Ratio	Cooling		W/W	2.70		2.99	
		Heating			3.22		3.48	
	Power			V-Hz	1-220 / 240-50		1-220 / 240-50	
Power	Power Consumption	Cooling		W	1,000		1,170	
		Heating			900		1,150	
	Operating Current	Cooling		A	4.5		5.2	
		Heating			4.0		5.2	
	Power Factor	Cooling		%	98.2		96.9	
		Heating			99.1		96.2	
	Starting Current			A	21.0		30.0	
	Power Cord	Length		m	-		-	
		Number of Core Wire			-		-	
		Capacity		A	250V-10A		250V-10A	
Size	Outer Dimension	Width x Height x Depth		mm	825 x 285 x 189	720 x 548 x 265	825 x 285 x 189	720 x 548 x 265
				inch	32.5 x 11.2 x 7.44	28.4 x 21.6 x 10.4	32.5 x 11.2 x 7.44	28.4 x 21.6 x 10.4
	Weight(Net)			kg	8.2	31.3	8.4	33.8
	Refrigerant Pipe	Liquid		mm x L(m)	ø6.35 x 5.0		ø6.35 x 5.0	
		GAS		mm x L(m)	ø9.52 x 5.0		ø12.70 x 5.0	
	Drain Hose			D x L(mm)	ø18 x 550		ø18 x 550	
	Compressor	Type			Rotary		Rotary	
		Motor	Type		Induction Motor(PSC)		Induction Motor(PSC)	
			Rated Output		1,005		1,206	
	Oil Type				SUNISO-4GSD		SUNISO-4GSD	
	Blower	Type			Cross-flow	Propeller	Cross-flow	Propeller
		Motor	Type		steel	steel	steel	steel
			Rated Output	W	15	50	15	50
Heat Exchanger					2ROW 14STEP	1ROW 24STEP	2ROW 14STEP	2ROW 24STEP
Refrigerant Control Unit					CAPILLARY TUBE		CAPILLARY TUBE	
Freezer Oil Capacity				cc	360		600	
Refrigerant to Change(R22)				g	580		980	
Protection Device(OLP)					RAC12110-9622		RAC12074-9622	
Cooling Test Condition					INDOOR UNIT : DB27˚C WB19˚C		OUTDOOR UNIT : DB35˚C WB24˚C	
Maximum Operation Condition					INDOOR UNIT : DB32˚C WB23˚C		OUTDOOR UNIT : DB43˚C WB26˚C	

Table(cont.)

Item				Model	AQ09WHWE		AQ12WHWE	
					Indoor unit	Outdoor unit	Indoor unit	Outdoor unit
Type					Wall-mounted		Wall-mounted	
Perfor-mance	Cooling			kW	2.70		3.5	
	Heating			kW	2.90		4.0	
	Dehumidifying			ℓ/h	1.0		1.4	
	Air Volume	Cooling		m^3/min	7.3	25	8.3	25
		Heating			8.0	25	9.0	25
	Noise	Cooling		dB	38 / 36 / 34	51 / 51	41 / 39 / 37	53 / 53
		Heating			38 / 36 / 34	51 / 51	41 / 39 / 37	53 / 53
	Energy Efficiency Ratio	Cooling		W/W	2.70		2.99	
		Heating			3.22		3.48	
	Power			V-Hz	1-220 / 240-50		1-220 / 240-50	
Power	Power Consumption	Cooling		W	1,000		1,170	
		Heating			900		1,150	
	Operating Current	Cooling		A	4.5		5.2	
		Heating			4.0		5.2	
	Power Factor	Cooling		%	98.2		96.9	
		Heating			99.1		96.2	
	Starting Current			A	21.0		30.0	
	Power Cord	Length		m	-		-	
		Number of Core Wire			-		-	
		Capacity		A	250V-10A		250V-10A	
Size	Outer Dimension	Width x Height x Depth		mm	825 x 285 x 189	720 x 548 x 265	825 x 285 x 189	720 x 548 x 265
				inch	32.5 x 11.2 x 7.44	28.4 x 21.6 x 10.4	32.5 x 11.2 x 7.44	28.4 x 21.6 x 10.4
	Weight(Net)			kg	8.2	33.0	8.4	33.8
	Refrigerant Pipe	Liquid		mm x L(m)	ø6.35 x 5.0		ø6.35 x 5.0	
		GAS		mm x L(m)	ø9.52 x 5.0		ø12.70 x 5.0	
	Drain Hose			D x L(mm)	ø18 x 550		ø18 x 550	
	Compressor	Type			Rotary		Rotary	
		Motor	Type		Induction Motor(PSC)		Induction Motor(PSC)	
			Rated Output		1,005		1,206	
	Oil Type				SUNISO-4GSD		SUNISO-4GSD	
	Blower	Type			Cross-flow	Propeller	Cross-flow	Propeller
		Motor	Type		steel	steel	steel	steel
			Rated Output	W	15	50	15	50
Heat Exchanger					2ROW 14STEP	1ROW 24STEP	2ROW 14STEP	2ROW 24STEP
Refrigerant Control Unit					CAPILLARY TUBE		CAPILLARY TUBE	
Freezer Oil Capacity				cc	360		600	
Refrigerant to Change(R22)				g	580		980	
Protection Device(OLP)					RAC12110-9622		RAC12074-9622	
Cooling Test Condition					INDOOR UNIT : DB27˚C WB19˚C		OUTDOOR UNIT : DB35˚C WB24˚C	
Maximum Operation Condition					INDOOR UNIT : DB32˚C WB23˚C		OUTDOOR UNIT : DB43˚C WB26˚C	

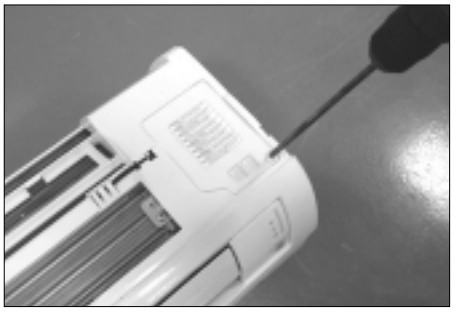
Table(cont.)

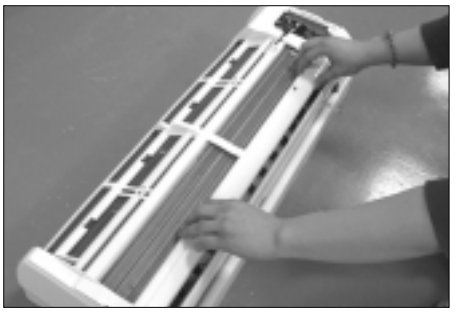
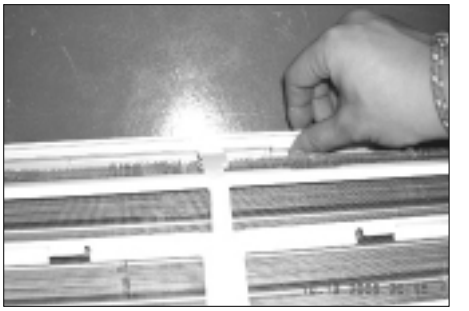
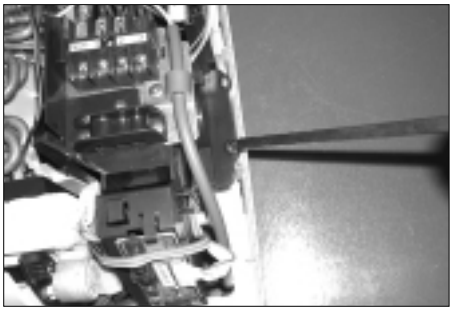
Item				Model	KFR-25G / SWA		KFR-35G / SWA	
					Indoor unit	Outdoor unit	Indoor unit	Outdoor unit
Type					Wall-mounted		Wall-mounted	
Performance	Cooling			kW	2.65		3.5	
	Heating			kW	2.90		4.0	
	Dehumidifying			ℓ/h	1.0		1.4	
	Air Volume	Cooling		m^3/min	7.3	25	8.3	25
		Heating			8.0	25	9.0	25
	Noise	Cooling		dB	38 / 36 / 34	51 / 51	41 / 39 / 37	53 / 53
		Heating			38 / 36 / 34	51 / 51	41 / 39 / 37	53 / 53
	Energy Efficiency Ratio	Cooling		W/W	2.65		2.99	
		Heating			3.22		3.48	
	Power			V-Hz	1-220-50		1-220-50	
Power	Power Consumption	Cooling		W	1,000		1,170	
		Heating			900		1,150	
	Operating Current	Cooling		A	4.6		5.8	
		Heating			4.1		5.8	
	Power Factor	Cooling		%	97		92	
		Heating			97		92	
	Starting Current			A	21.0		30.0	
	Power Cord	Length		m	-		-	
		Number of Core Wire			-		-	
		Capacity		A	250V-10A		250V-16A	
Size	Outer Dimension	Width x Height x Depth		mm	825 x 285 x 189	720 x 548 x 265	825 x 285 x 189	720 x 548 x 265
				inch	32.5 x 11.2 x 7.44	28.4 x 21.6 x 10.4	32.5 x 11.2 x 7.44	28.4 x 21.6 x 10.4
	Weight(Net)			kg	8.2	31.3	8.4	33.8
	Refrigerant Pipe	Liquid		mm x L(m)	ø6.35 x 4.0		ø6.35 x 4.0	
		GAS		mm x L(m)	ø9.52 x 4.0		ø12.70 x 4.0	
	Drain Hose			D x L(mm)	ø18 x 550		ø18 x 550	
	Compressor	Type			Rotary(SAMSUNG)		Rotary(SAMSUNG)	
		Motor	Type		Induction Motor(PSC)		Induction Motor(PSC)	
			Rated Output		990		1,210	
	Oil Type				SUNISO-4GSD/NOC		SUNISO-4GSD/NOC	
	Blower	Type			Cross-flow	Propeller	Cross-flow	Propeller
		Motor	Type		steel	steel	steel	steel
			Rated Output	W	15	50	15	50
Heat Exchanger					2ROW 14STEP	1ROW 24STEP	2ROW 14STEP	2ROW 24STEP
Refrigerant Control Unit					CAPILLARY TUBE		CAPILLARY TUBE	
Freezer Oil Capacity				cc	360		600	
Refrigerant to Change(R22)				g	600		950	
Protection Device(OLP)					RAC12054-9622		RAC12074-9622	
Cooling Test Condition					INDOOR UNIT : DB27˚C WB19˚C		OUTDOOR UNIT : DB35˚C WB24˚C	
Maximum Operation Condition					INDOOR UNIT : DB32˚C WB27.5˚C		OUTDOOR UNIT : DB43˚C WB33˚C	

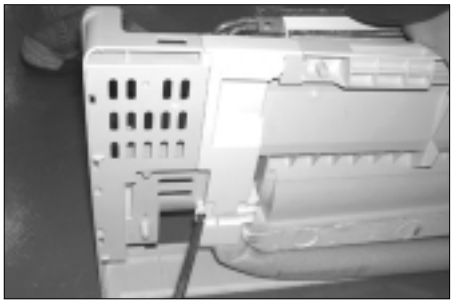
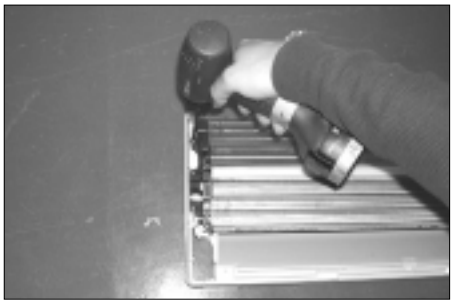
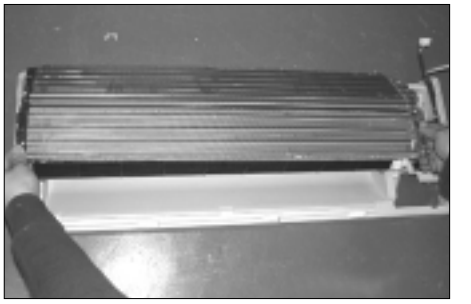
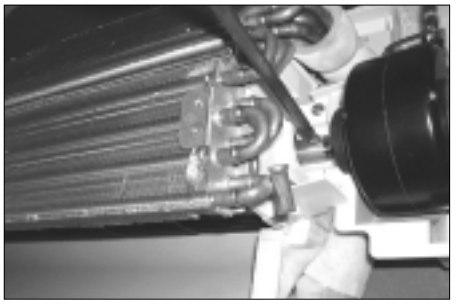
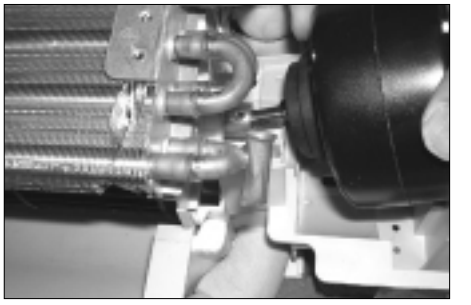
2. Disassembly and Reassembly

Stop operation of the air conditioner and remove the power cord before repairing the unit.

2-1 Indoor Unit

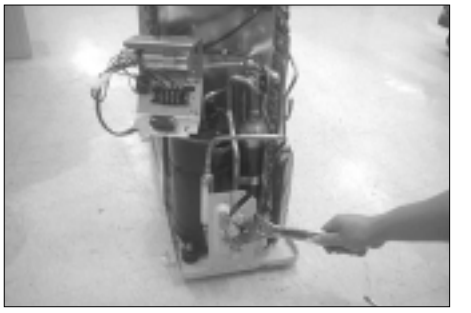
No	Parts	Procedure	Remark
1	Front Grille	1) Stop the air conditioner operation and block the main power.	
		2) Open the Front Grille by pulling right and left sides of the hook.	
		3) Loosen 1 of the right screw and detach the Terminal Cover. 4) Detach the thermistor from the Front Grille.	
		5) Loosen 2 fixing screws of Front Grille.	

No	Parts	Procedure	Remark
		6) Unlock 2 hooks to fix Panel Front and Tray Drain.	
		7) Unlock 3 hooks to fix Panel Front and Back-Body.	
2	Control-In (Main PCB)	1) Take all the connector of PCB upper side out. (Inclusion Power Cord) 2) Detach the outdoor unit connection wire from the Terminal Block. 3) Loosen 4 fixing screws of Ass'y Control-In.	
3	Tray Drain	1) Pull Tray Drain out from the Back Body.	

No	Parts	Procedure	Remark
4	Heat Exchanger	1) Loosen 2 fixing earth screws of right side. 2) Detach the Connection Pipe. 3) Detach the Holder Pipe at the rear side. 4) Loosen the 3 fixing screws of right and left side. 5) Lifting the Heat Exchanger up a little to push the up side for separation from the indoor unit.	  
5	Fan Motor & Cross Fan	1) Loosen the fixing screw and detach the Motor Holder. 2) Detach the Fan Motor from the Fan. 3) Detach the Fan From the left Holder Bearing.	 

2-2 Outdoor Unit

No	Parts	Procedure	Remark
1	Common Work	1) Loosen each 3 fixing screws on both right and left Cabinet-Side edge and a fixing screw on the Cabinet-Front lower to detach the Cabinet-Front.	
		2) Loosen 2 fixing screws of the Ass'y-Control.	
		3) Loosen 6 fixing screws of the Cabinet-Side RH.	
		4) Loosen 2 fixing screws of the Cabinet-Side LF.	

No	Parts	Procedure	Remark
2	Fan & Motor	1) Detach the Nut Flange.(Turn counterclockwise because the screw is right-handed) 2) Detach the Fan. 3) Loosen 4 fixing screws to detach the Motor.	
3	Heat Exchanger	1) Loosen 2 fixing screws on both sides. 2) Disassemble the pipe in both inlet and outlet with welding torch. 3) Detach the Heat Exchanger.	 
4	Compressor	1) Loosen the Terminal Cover nut to open the Terminal Cover. 2) Disassemble the cloth sound felt. 3) Disassemble the pipe in both inlet and outlet of the Compressor with welding torch. 4) Disassemble the pipe in both inlet and outlet of the Condenser with welding torch. 5) Loosen the 3 bolts at the bottom. 6) Detach the Compressor.	

3. Set Up the Model Option

3-1 Setting Option Setup Method

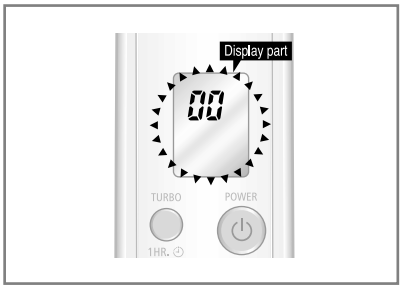
Option No. : 25 02 57 03 40 (SH12AWH)

Step 1 : **Enter the Option Setup mode.**

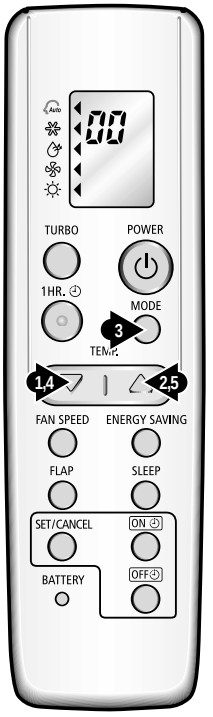
1st Take out the batteries of remote control.

2nd Press the temperature (▽ | △) button simultaneously and insert the battery again.

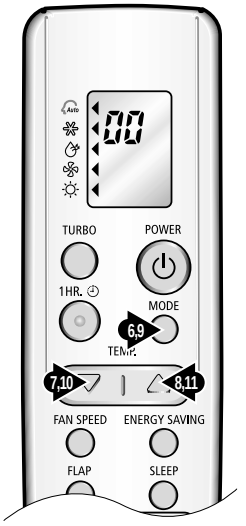
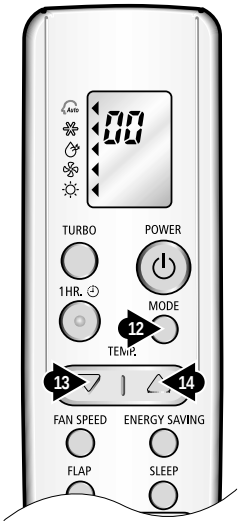
3rd Make sure the remocon display shown as .



Step 2 : **Enter the Option Setup mode and select your option according to the following procedure.**



	Feature	Display
1	Setting Option SEG1. Push the ▽ button to set the display panel to 2. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ ··· 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.	
2	Setting Option SEG2. Push the △ button to set the display panel to 5. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ ··· 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.	
3	Change it into the set display of Option SEG3 and SEG4 with the MODE button.	
4	Setting Option SEG3. Push the ▽ button to set the display panel to 0. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ ··· 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.	
5	Setting Option SEG4. Push the △ button to set the display panel to 2. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ ··· 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.	

	Feature	Display
	**6** Change it into the set display of Option SEG5 and SEG6 with the MODE button.	
	7 Setting Option SEG5. Push the ▽ button to set the display panel to 5. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ · · · 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.	
	8 Setting Option SEG6. Push the △ button to set the display panel to 7. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ · · · 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.	
	9 Change it into the set display of Option SEG7 and SEG8 with the MODE button.	
	10 Setting Option SEG7. Push the ▽ button to set the display panel to 0. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ · · · 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.	
	**11** Setting Option SEG8. Push the △ button to set the display panel to 3. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ · · · 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.	
	12 Change it into the set display of Option SEG9 and SEG10 with the MODE button.	
	13 Setting Option SEG9. Push the ▽ button to set the display panel to 4. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ · · · 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.	
	14 Setting Option SEG10. Push the △ button to set the display panel to 0. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ · · · 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.	

Step 3 : Upon completion of the selection, check you made right selections.

Whenever you press the MODE button, the set Option will be displayed.

Step 4 : Pressing the ON/OFF button ( )

When pressing the operation ON/OFF key with the direction of remote controller for unit, the sound "Ding" is heard and the OPERATION LED lamp is flickering at the same time, then the input of option is completed. (If the "ding" sound isn't heard, try again pressing the ON/OFF button.)

Step 5 : Unit operation test-run

First, Remove the battery from the remote controller.

Second, Re-insert the battery into the remote controller.

Third, Press ON/OFF ( ) key with the direction of remote controller for set.

• Error Mode

1st If all lamps of indoor unit are flickering, Plug out, plug in battery again and press ON/OFF key to retry.

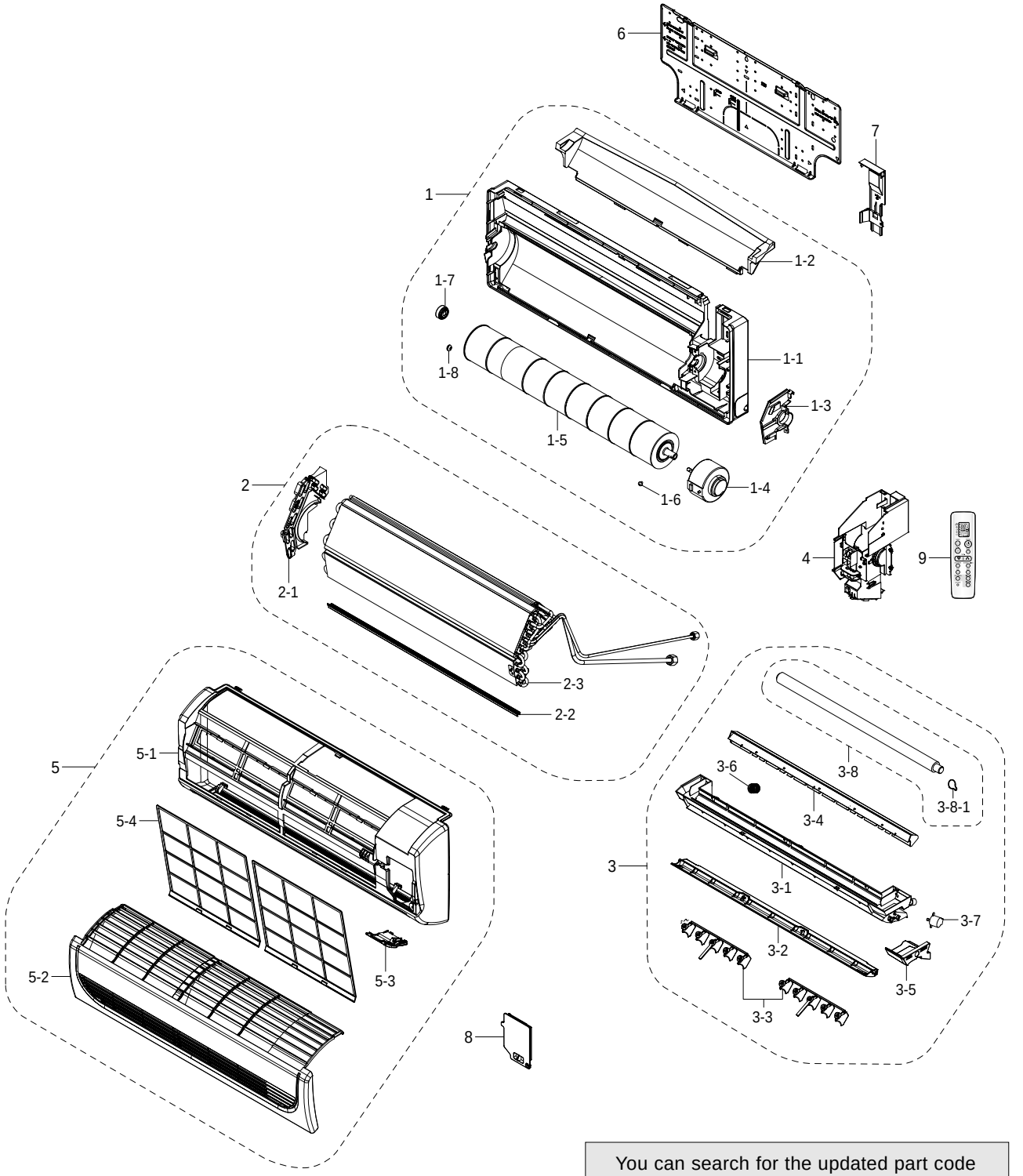
2nd If the unit is not working properly or all lamps are continuously flickering after setting the option code, see if the correct option code is set up for its model.

3-2 Table of the option Code

Model	Option Code									
	SEG1	SEG2	SEG3	SEG4	SEG5	SEG6	SEG7	SEG8	SEG9	SEG10
SH12AWH SH12ZWH AQ12WHWE KFR-35G / SWA	2	5	0	2	5	7	0	3	4	0
SH09AWH	2	5	0	2	5	7	0	0	c	8
SH09ZWH AQ09WHWE KFR-25G / SWA	2	5	0	2	5	7	0	0	F	b

4. Exploded Views and Parts List

4-1 Indoor Unit



You can search for the updated part code number through the ITSELF.

URL : http://itself.sec.samsung.co.kr

■ **Parts List**

No.	Code No.	Description	Specification	Q'TY		Remark
				SH09AWH	SH12AWH	
1	DB94-00454B	ASS'Y-BACK BODY	ASS'Y	1	1	
1-1	DB61-01632A	BACK-BODY	HIPS	1	1	
1-2	DB69-00834A	CUSHION-BACK BODY	EPS	1	1	
1-3	DB61-01634A	SUPPORTER-EVAP RH	HIPS	1	1	
1-4	DB31-00219A	MOTOR-IN	YDK-20S4F8C-1	1	1	
1-5	DB94-00456A	ASS'Y-CROSS FAN	OD92x635	1	1	
1-6	DB97-02075A	ASS'Y BOLT-SPECIAL	ASS'Y	1	1	
1-7	DB73-00181A	RUBBER-BEARING	RUBBER	1	1	
1-8	DB94-40007A	MOLD-BEARING	BEARING	1	1	
2	DB96-03112A	ASS'Y CYCLE IN	ASS'Y	-	1	
	DB96-03112B	ASS'Y CYCLE IN	ASS'Y	1	-	
2-1	DB63-00850A	COVER BEARING	ABS	1	1	
2-2	DB60-00118A	SPACE-EVAP-LOW	PVC	1	1	
2-3	DB96-03060A	ASS'Y-EVAP	1.3S, 2x14	-	1	
	DB96-03257A	ASS'Y-EVAP	1.5S, 2x14	1	-	
3	DB94-00457D	ASS'Y-TRAY DRAIN	ASS'Y	1	1	
3-1	DB63-00848A	TRAY-DRAIN	ABS	1	1	
3-2	DB61-01635A	BLADE-H	HIPS	1	1	
3-3	DB61-01636A	BLADE-V	PP	2	2	
3-4	DB63-00849A	STABILIZER	ABS	1	1	
3-5	DB69-00839A	CUSHION-TRAY RH	EPS30	1	1	
3-6	DB73-00180A	RUBBER-CAP	GUM-EPM	1	1	
3-7	DB95-20138A	ASS'Y-STEPPING-MOTOR	PM24-600g, 24BYJ48	1	1	
3-8	DB94-00458B	ASS'Y DRAIN HOSE	ASS'Y	1	1	
3-8-1	DB61-01715A	CLIP TERMINAL HOSE	STS, PI1.0	1	1	
4	DB93-02481L	ASS'Y-CONTROL IN	ASS'Y	1	1	Refer to page 24
5	DB92-00536A	ASS'Y-PANEL FRONT	ASS'Y	1	1	
5-1	DB64-00989A	PANEL-FRONT	PS	1	1	
5-2	DB64-00990A	GRILLE-AIR INLET	HIPS	1	1	
5-3	DB97-02064A	ASS'Y-COVER DISPLAY	ASS'Y	1	1	
5-4	DB63-00846A	GUARD-AIR FILTER	PP	2	2	
6	DB70-00406A	PLATE-HANGER	SGCC-M T0.6x320x650	1	1	
7	DB61-01638A	HOLDER-PIPE	PS	1	1	
8	DB63-00844A	COVER TERMINAL	ABS-V0	1	1	
9	DB93-02532B	ASS'Y-REMOCON	REMOCON	1	1	

■ **Parts List(cont.)**

No.	Code No.	Description	Specification	Q'TY		Remark
				SH09ZWH AQ09WHWE	SH12ZWH AQ12WHWE	
1	DB94-00454B	ASS'Y-BACK BODY	ASS'Y	1	1	
1-1	DB61-01632A	BACK-BODY	HIPS	1	1	
1-2	DB69-00834A	CUSHION-BACK BODY	EPS	1	1	
1-3	DB61-01634A	SUPPORTER-EVAP RH	HIPS	1	1	
1-4	DB31-00219A	MOTOR-IN	YDK-20S4F8C-1	1	1	
1-5	DB94-00456A	ASS'Y-CROSS FAN	OD92x635	1	1	
1-6	DB97-02075A	ASS'Y BOLT-SPECIAL	ASS'Y	1	1	
1-7	DB73-00181A	RUBBER-BEARING	RUBBER	1	1	
1-8	DB94-40007A	MOLD-BEARING	BEARING	1	1	
2	DB96-03112C	ASS'Y CYCLE IN	ASS'Y	-	1	
	DB96-03112D	ASS'Y CYCLE IN	ASS'Y	1	-	
2-1	DB63-00850A	COVER BEARING	ABS	1	1	
2-2	DB60-00118A	SPACE-EVAP-LOW	PVC	1	1	
2-3	DB96-03060A	ASS'Y-EVAP	1.3S, 2x14	-	1	
	DB96-03257A	ASS'Y-EVAP	1.5S, 2x14	1	-	
3	DB94-00457D	ASS'Y-TRAY DRAIN	ASS'Y	1	1	
3-1	DB63-00848A	TRAY-DRAIN	ABS	1	1	
3-2	DB61-01635A	BLADE-H	HIPS	1	1	
3-3	DB61-01636A	BLADE-V	PP	2	2	
3-4	DB63-00849A	STABILIZER	ABS	1	1	
3-5	DB69-00839A	CUSHION-TRAY RH	EPS30	1	1	
3-6	DB73-00180A	RUBBER-CAP	GUM-EPM	1	1	
3-7	DB95-20138A	ASS'Y-STEPPING-MOTOR	PM24-600g, 24BYJ48	1	1	
3-8	DB94-00458B	ASS'Y DRAIN HOSE	ASS'Y	1	1	
3-8-1	DB61-01715A	CLIP TERMINAL HOSE	STS, PI1.0	1	1	
4	DB93-02481*	ASS'Y-CONTROL IN	ASS'Y	1	1	Refer to page 24
5	DB92-00536A	ASS'Y-PANEL FRONT	ASS'Y	1	1	
5-1	DB64-00989A	PANEL-FRONT	PS	1	1	
5-2	DB64-00990A	GRILLE-AIR INLET	HIPS	1	1	
5-3	DB97-02064A	ASS'Y-COVER DISPLAY	ASS'Y	1	1	
5-4	DB63-00846A	GUARD-AIR FILTER	PP	2	2	
6	DB70-00406A	PLATE-HANGER	SGCC-M T0.6x320x650	1	1	
7	DB61-01638A	HOLDER-PIPE	PS	1	1	
8	DB63-00844A	COVER TERMINAL	ABS-V0	1	1	
9	DB93-02532B	ASS'Y-REMOCON	REMOCON	1	1	

■ **Parts List(cont.)**

No.	Code No.	Description	Specification	Q'TY		Remark
				KFR-25G / SWA	KFR-35G / SWA	
1	DB94-00454B	ASS'Y-BACK BODY	ASS'Y	1	1	
1-1	DB61-01632A	BACK-BODY	HIPS	1	1	
1-2	DB69-00834A	CUSHION-BACK BODY	EPS	1	1	
1-3	DB61-01634A	SUPPORTER-EVAP RH	HIPS	1	1	
1-4	DB31-00219A	MOTOR-IN	YDK-20S4F8C-1	1	1	
1-5	DB94-00456A	ASS'Y-CROSS FAN	OD92x635	1	1	
1-6	DB97-02075A	ASS'Y BOLT-SPECIAL	ASS'Y	1	1	
1-7	DB73-00181A	RUBBER-BEARING	RUBBER	1	1	
1-8	DB94-40007A	MOLD-BEARING	BEARING	1	1	
2	DB96-03112C	ASS'Y CYCLE IN	ASS'Y	-	1	
	DB96-03112D	ASS'Y CYCLE IN	ASS'Y	1	-	
2-1	DB63-00850A	COVER BEARING	ABS	1	1	
2-2	DB60-00118A	SPACE-EVAP-LOW	PVC	1	1	
2-3	DB96-03060A	ASS'Y-EVAP	1.3S, 2x14	-	1	
	DB96-03257A	ASS'Y-EVAP	1.5S, 2x14	1	-	
3	DB94-00457D	ASS'Y-TRAY DRAIN	ASS'Y	1	1	
3-1	DB63-00848A	TRAY-DRAIN	ABS	1	1	
3-2	DB61-01635A	BLADE-H	HIPS	1	1	
3-3	DB61-01636A	BLADE-V	PP	2	2	
3-4	DB63-00849A	STABILIZER	ABS	1	1	
3-5	DB69-00839A	CUSHION-TRAY RH	EPS30	1	1	
3-6	DB73-00180A	RUBBER-CAP	GUM-EPM	1	1	
3-7	DB95-20138A	ASS'Y-STEPPING-MOTOR	PM24-600g, 24BYJ48	1	1	
3-8	DB94-00458B	ASS'Y DRAIN HOSE	ASS'Y	1	1	
3-8-1	DB61-01715A	CLIP TERMINAL HOSE	STS, PI1.0	1	1	
4	DB93-02481*	ASS'Y-CONTROL IN	ASS'Y	1	1	Refer to page 24
5	DB92-00536B	ASS'Y-PANEL FRONT	ASS'Y	1	1	
5-1	DB64-00989A	PANEL-FRONT	PS	1	1	
5-2	DB64-00990A	GRILLE-AIR INLET	HIPS	1	1	
5-3	DB97-02064A	ASS'Y-COVER DISPLAY	ASS'Y	1	1	
5-4	DB63-00846B	GUARD-AIR FILTER	PP	2	2	
6	DB70-00406A	PLATE-HANGER	SGCC-M T0.6x320x650	1	1	
7	DB61-01638A	HOLDER-PIPE	PS	1	1	
8	DB63-00844A	COVER TERMINAL	ABS-V0	1	1	
9	DB93-02532D	ASS'Y-REMOCON	REMOCON	1	1	

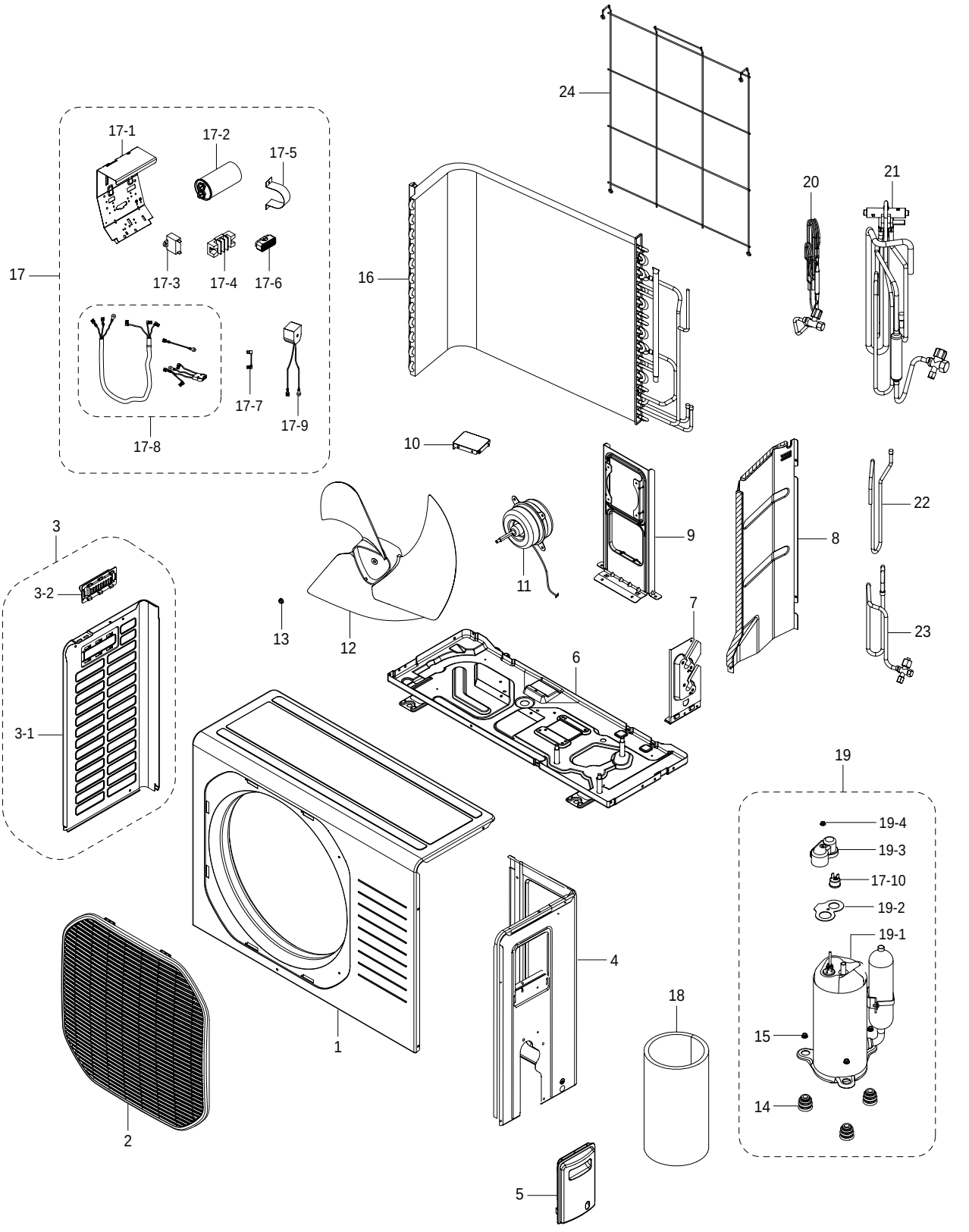
■ **Parts List(cont.)**

No.	Code No.	Description	Specification	Q'TY		Remark
				SH09ZWH (RUSSIA)	SH12ZWH (RUSSIA)	
1	DB94-00454B	ASS'Y-BACK BODY	ASS'Y	1	1	
1-1	DB61-01632A	BACK-BODY	HIPS	1	1	
1-2	DB69-00834A	CUSHION-BACK BODY	EPS	1	1	
1-3	DB61-01634A	SUPPORTER-EVAP RH	HIPS	1	1	
1-4	DB31-00219A	MOTOR-IN	YDK-20S4F8C-1	1	1	
1-5	DB94-00456A	ASS'Y-CROSS FAN	OD92x635	1	1	
1-6	DB97-02075A	ASS'Y BOLT-SPECIAL	ASS'Y	1	1	
1-7	DB73-00181A	RUBBER-BEARING	RUBBER	1	1	
1-8	DB94-40007A	MOLD-BEARING	BEARING	1	1	
2	DB96-03112C	ASS'Y CYCLE IN	ASS'Y	-	1	
	DB96-03112D	ASS'Y CYCLE IN	ASS'Y	1	-	
2-1	DB63-00850A	COVER BEARING	ABS	1	1	
2-2	DB60-00118A	SPACE-EVAP-LOW	PVC	1	1	
2-3	DB96-03060A	ASS'Y-EVAP	1.3S, 2x14	-	1	
	DB96-03257A	ASS'Y-EVAP	1.5S, 2x14	1	-	
3	DB94-00457D	ASS'Y-TRAY DRAIN	ASS'Y	1	1	
3-1	DB63-00848A	TRAY-DRAIN	ABS	1	1	
3-2	DB61-01635A	BLADE-H	HIPS	1	1	
3-3	DB61-01636A	BLADE-V	PP	2	2	
3-4	DB63-00849A	STABILIZER	ABS	1	1	
3-5	DB69-00839A	CUSHION-TRAY RH	EPS30	1	1	
3-6	DB73-00180A	RUBBER-CAP	GUM-EPM	1	1	
3-7	DB95-20138A	ASS'Y-STEPPING-MOTOR	PM24-600g, 24BYJ48	1	1	
3-8	DB94-00458B	ASS'Y DRAIN HOSE	ASS'Y	1	1	
3-8-1	DB61-01715A	CLIP TERMINAL HOSE	STS, PI1.0	1	1	
4	DB93-02481*	ASS'Y-CONTROL IN	ASS'Y	1	1	Refer to page 24
5	DB92-00536A	ASS'Y-PANEL FRONT	ASS'Y	1	1	
5-1	DB64-00989A	PANEL-FRONT	PS	1	1	
5-2	DB64-00990A	GRILLE-AIR INLET	HIPS	1	1	
5-3	DB97-02064A	ASS'Y-COVER DISPLAY	ASS'Y	1	1	
5-4	DB63-00846A	GUARD-AIR FILTER	PP	2	2	
6	DB70-00406A	PLATE-HANGER	SGCC-M T0.6x320x650	1	1	
7	DB61-01638A	HOLDER-PIPE	PS	1	1	
8	DB63-00844A	COVER TERMINAL	ABS-V0	1	1	
9	DB93-02532B	ASS'Y-REMOCON	REMOCON	1	1	

■ **Parts List(cont.)**

No.	Code No.	Description	Specification	Q'TY		Remark
				SH09ZWH (AUSTRALIA)	SH12ZWH (AUSTRALIA)	
1	DB94-00454B	ASS'Y-BACK BODY	ASS'Y	1	1	
1-1	DB61-01632A	BACK-BODY	HIPS	1	1	
1-2	DB69-00834A	CUSHION-BACK BODY	EPS	1	1	
1-3	DB61-01634A	SUPPORTER-EVAP RH	HIPS	1	1	
1-4	DB31-00219A	MOTOR-IN	YDK-20S4F8C-1	1	1	
1-5	DB94-00456A	ASS'Y-CROSS FAN	OD92x635	1	1	
1-6	DB97-02075A	ASS'Y BOLT-SPECIAL	ASS'Y	1	1	
1-7	DB73-00181A	RUBBER-BEARING	RUBBER	1	1	
1-8	DB94-40007A	MOLD-BEARING	BEARING	1	1	
2	DB96-03112C	ASS'Y CYCLE IN	ASS'Y	-	1	
	DB96-03112D	ASS'Y CYCLE IN	ASS'Y	1	-	
2-1	DB63-00850A	COVER BEARING	ABS	1	1	
2-2	DB60-00118A	SPACE-EVAP-LOW	PVC	1	1	
2-3	DB96-03060A	ASS'Y-EVAP	1.3S, 2x14	-	1	
	DB96-03257A	ASS'Y-EVAP	1.5S, 2x14	1	-	
3	DB94-00457D	ASS'Y-TRAY DRAIN	ASS'Y	1	1	
3-1	DB63-00848A	TRAY-DRAIN	ABS	1	1	
3-2	DB61-01635A	BLADE-H	HIPS	1	1	
3-3	DB61-01636A	BLADE-V	PP	2	2	
3-4	DB63-00849A	STABILIZER	ABS	1	1	
3-5	DB69-00839A	CUSHION-TRAY RH	EPS30	1	1	
3-6	DB73-00180A	RUBBER-CAP	GUM-EPM	1	1	
3-7	DB95-20138A	ASS'Y-STEPPING-MOTOR	PM24-600g, 24BYJ48	1	1	
3-8	DB94-00458B	ASS'Y DRAIN HOSE	ASS'Y	1	1	
3-8-1	DB61-01715A	CLIP TERMINAL HOSE	STS, PI1.0	1	1	
4	DB93-02481*	ASS'Y-CONTROL IN	ASS'Y	1	1	Refer to page 24
5	DB92-00536A	ASS'Y-PANEL FRONT	ASS'Y	1	1	
5-1	DB64-00989A	PANEL-FRONT	PS	1	1	
5-2	DB64-00990A	GRILLE-AIR INLET	HIPS	1	1	
5-3	DB97-02064A	ASS'Y-COVER DISPLAY	ASS'Y	1	1	
5-4	DB63-00846A	GUARD-AIR FILTER	PP	2	2	
6	DB70-00406A	PLATE-HANGER	SGCC-M T0.6x320x650	1	1	
7	DB61-01638A	HOLDER-PIPE	PS	1	1	
8	DB63-00844A	COVER TERMINAL	ABS-V0	1	1	
9	DB93-02532B	ASS'Y-REMOCON	REMOCON	1	1	

4-2 Outdoor Unit



■ Parts List

No.	Code No.	Description	Specification	Q'TY	
				SH09AWHX	SH12AWHX
1	DB90-01341A	ASS'Y-CABI FRONT	T0.7, SECD-P	1	1
2	DB63-00847A	GUARD-FAN	PP, 378g	1	1
3	DB90-01332A	ASS'Y CABI SIDE LF	ASS'Y	1	1
3-1	DB64-01094A	CABI SIDE LF(COATING)	T0.6, SECC-P	1	1
3-2	DB64-00992A	HANDLE LF	PP, 30g	1	1
4	DB90-01331A	ASS'Y CABI SIDE RH	T0.6, SECC-P	1	1
5	DB63-00853A	COVER-CONTROL	ABS-V0, 66g	1	1
6	DB90-01330A	ASS'Y-BASE	T1.0, SECC-P	-	1
	DB90-01330B	ASS'Y-BASE	T1.0, SECC-P	1	-
7	DB99-00401A	ASS'Y BRACKET VALVE	SECC-P, T1.0x95x235	1	1
8	DB94-00459C	ASS'Y-PARTITION	ASS'Y, SGCC-M, T0.6	-	1
	DB94-00459B	ASS'Y-PARTITION	ASS'Y, SGCC-M, T0.6	1	-
9	DB61-01644A	BRACKET-MOTOR	SGCC-M T0.6x370x490	1	1
10	DB97-02225A	ASS'Y PLATE SUPPORT B/M	ASS'Y	-	1
	DB97-02225B	ASS'Y PLATE SUPPORT B/M	ASS'Y	1	-
11	DB31-00220A	MOTOR-OUT	YDK-25F6M13E-1	1	1
12	DB67-00397A	PROPELLER-FAN	AS+G/F 20%, 422g	1	1
13	DB60-30004A	NUT FLANGE		1	1
14	DB63-00815A	GROMMET	NR	-	3
	DB63-00763A	GROMMET	NR	3	-
15	DB60-30028A	NUT WASHER		3	3
16	DB96-03061A	ASS'Y-COND	2x24, FP1.5, LOUVER	-	1
	DB96-03172A	ASS'Y-COND	1x24, FP1.5, LOUVER	1	-
17	DB93-02554A	ASS'Y-CONTROL OUT	ASS'Y	-	1
	DB93-02554B	ASS'Y-CONTROL OUT	ASS'Y	1	-
17-1	DB61-01642A	CASE-CONTROL OUT	SGCC-M T0.6x150x250	1	1
17-2	2501-001236	CAPACITOR-COMP	30μFx450V	-	1
	2501-001237	CAPACITOR-COMP	35μFx450V	1	-
17-3	2301-001375	CAPACITOR-MOTOR	1.5μFx450V	1	1
17-4	DB65-40049E	TERMINAL-BLOCK		1	1
17-5	DB65-10046A	CLIP-CAPACITOR		1	1
17-6	DB61-00250A	HOLDER-WIRE		1	1
17-7	DB93-50062C	LEAD WIRE		1	1
17-8	DB93-00481H	ASS'Y LEAD WIRE		-	1
	DB93-00481J	ASS'Y LEAD WIRE		1	-
17-9	DB33-00050A	SOLENOID-ASS'Y	WIRE, ASS'Y	1	1
17-10	DB35-00029A	OLP	MRA99908-9201	-	1
	DB35-00029B	OLP	MRA99134-9201	1	-
18	DB72-00726A	SPONGE-FELT COMP CLOTH	FELT+PVC	-	1
	DB72-00726B	SPONGE-FELT COMP CLOTH	FELT+PVC	1	-
19	DB95-00468A	ASS'Y-COMP		-	1
	DB95-00467A	ASS'Y-COMP		1	-
19-1	DB95-00501A	COMP	802 354 45, SANYO	-	1
	DB95-00534A	COMP	802 141 55, SANYO	1	-
19-2	DB63-00943A	GASKET		-	1
	DB63-00999A	GASKET		1	-
19-3	DB63-00942A	COVER-TERMINAL		1	1
19-4	DB60-30018A	NUT FLANGE		1	1
20	DB96-03062A	ASS'Y CHECK VALVE	ASS'Y	-	1
	DB96-03049A	ASS'Y CAPILLARY	ASS'Y	1	-
21	DB99-00445A	ASS'Y 4WAY VALVE	ASS'Y	-	1
	DB99-00413A	ASS'Y 4WAY VALVE	ASS'Y	1	-
22	DB96-03232A	ASS'Y-TUBE SUCTION	ASS'Y	-	-
	DB62-02566A	ASS'Y-TUBE SUCTION	ASS'Y	-	-
23	DB62-02557A	TUBE DISCHARGE	C1220T-0	-	-
	DB62-02565A	TUBE DISCHARGE	C1220T-0	-	-
24	DB71-00090A	BAR-STEEL		-	1
	DB71-00090B	BAR-STEEL		1	-

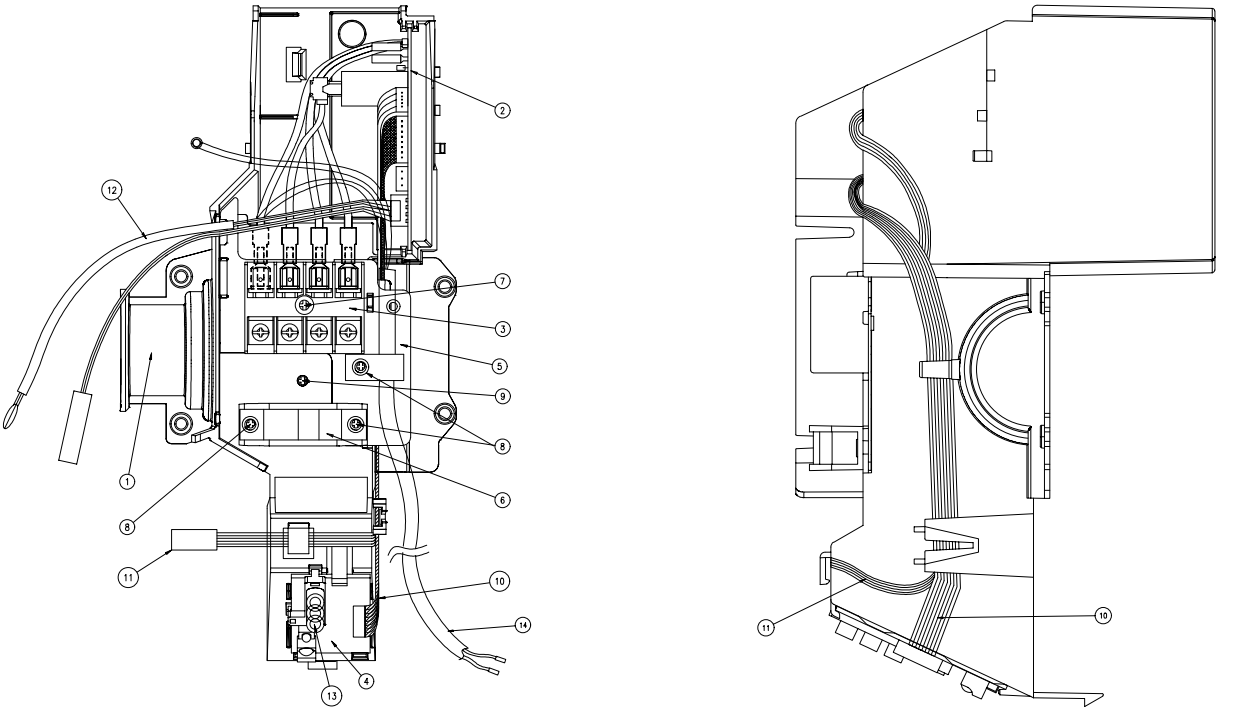
■ Parts List(cont.)

No.	Code No.	Description	Specification	Q'TY	
				SH09ZWHX UQ09WHWE	SH12ZWHX UQ12WHWE
1	DB90-01341A	ASS'Y-CABI FRONT	T0.7, SECD-P	1	1
2	DB63-00847A	GUARD-FAN	PP, 378g	1	1
3	DB90-01332A	ASS'Y CABI SIDE LF	ASS'Y	1	1
3-1	DB64-01094A	CABI SIDE LF(COATING)	T0.6, SECC-P	1	1
3-2	DB64-00992A	HANDLE LF	PP, 30g	1	1
4	DB90-01331A	ASS'Y CABI SIDE RH	T0.6, SECC-P	1	1
5	DB63-00853A	COVER-CONTROL	ABS-V0, 66g	1	1
6	DB90-01330E	ASS'Y-BASE	T1.0, SECC-P	-	1
	DB90-01330B	ASS'Y-BASE	T1.0, SECC-P	1	-
7	DB99-00401A	ASS'Y BRACKET VALVE	SECC-P, T1.0x95x235	1	1
8	DB94-00459C	ASS'Y-PARTITION	ASS'Y, SGCC-M, T0.6	-	1
	DB94-00459B	ASS'Y-PARTITION	ASS'Y, SGCC-M, T0.6	1	-
9	DB61-01644A	BRACKET-MOTOR	SGCC-M T0.6x370x490	1	1
10	DB97-02225A	ASS'Y PLATE SUPPORT B/M	ASS'Y	-	1
	DB97-02225B	ASS'Y PLATE SUPPORT B/M	ASS'Y	1	-
11	DB31-00220A	MOTOR-OUT	YDK-25F6M13E-1	1	1
12	DB67-00397A	PROPELLER-FAN	AS+G/F 20%, 422g	1	1
13	DB60-30004A	NUT FLANGE		1	1
14	DB63-00815A	GROMMET	NR	-	3
	DB63-00763A	GROMMET	NR	3	-
15	DB60-30028A	NUT WASHER		3	3
16	DB96-03580A	ASS'Y-COND	2x24, FP1.5, LOUVER	-	1
	DB96-03581A	ASS'Y-COND	1x24, FP1.5, LOUVER	1	-
17	DB93-02748A	ASS'Y-CONTROL OUT	ASS'Y	-	1
	DB93-02748B	ASS'Y-CONTROL OUT	ASS'Y	1	-
17-1	DB61-01642A	CASE-CONTROL OUT	SGCC-M T0.6x150x250	1	1
17-2	2501-001236	CAPACITOR-COMP	30µFx450V	-	1
	2501-001238	CAPACITOR-COMP	40µFx450V	1	-
17-3	2301-001375	CAPACITOR-MOTOR	1.5µFx450V	1	1
17-4	DB65-40049E	TERMINAL-BLOCK		1	1
17-5	DB65-10046A	CLIP-CAPACITOR		1	1
17-6	DB61-00250A	HOLDER-WIRE		1	1
17-7	DB93-50062C	LEAD WIRE		1	1
17-8	DB93-00481H	ASS'Y LEAD WIRE		1	1
17-9	DB33-00050A	SOLENOID-ASS'Y	WIRE, ASS'Y	1	1
17-10	DB35-00030C	OLP	RAC12074-9622	-	1
	DB35-00020G	OLP	RAC12110-9622	1	-
18	DB72-00726E	SPONGE-FELT COMP CLOTH	FELT+PVC	-	1
	DB72-00726D	SPONGE-FELT COMP CLOTH	FELT+PVC	1	-
19	DB95-00552A	ASS'Y-COMP		-	1
	DB95-00551A	ASS'Y-COMP		1	-
19-1	48D129JU1EL	COMP	SEC	-	1
	44B102JX1EL	COMP	SEC	1	-
19-2	DB63-20002A	GASKET		1	1
19-3	DB63-10165D	COVER-TERMINAL		1	1
19-4	DB60-30018A	NUT FLANGE		1	1
20	DB99-00453A	ASS'Y CHECK VALVE	ASS'Y	-	1
	DB99-00478A	ASS'Y CHECK VALVE	ASS'Y	1	-
21	DB99-00475A	ASS'Y 4WAY VALVE	ASS'Y	-	1
	DB99-00477A	ASS'Y 4WAY VALVE	ASS'Y	1	-
22	DB96-03313A	ASS'Y-TUBE SUCTION	ASS'Y	-	-
	DB96-03320A	ASS'Y-TUBE SUCTION	ASS'Y	-	-
23	DB96-02633A	TUBE DISCHARGE	C1220T-0	-	-
	DB96-02645A	TUBE DISCHARGE	C1220T-0	-	-
24	DB71-00090A	BAR-STEEL		-	1
	DB71-00090B	BAR-STEEL		1	-

■ **Parts List(cont.)**

No.	Code No.	Description	Specification	Q'TY	
				KFR-25W / SWA	KFR-35W / SWA
1	DB90-01341A	ASS'Y-CABI FRONT	T0.7, SECD-P	1	1
2	DB63-00847A	GUARD-FAN	PP, 378g	1	1
3	DB90-01332A	ASS'Y CABI SIDE LF	ASS'Y	1	1
3-1	DB64-01094A	CABI SIDE LF(COATING)	T0.6, SECC-P	1	1
3-2	DB64-00992A	HANDLE LF	PP, 30g	1	1
4	DB90-01331A	ASS'Y CABI SIDE RH	T0.6, SECC-P	1	1
5	DB63-00853A	COVER-CONTROL	ABS-V0, 66g	1	1
6	DB90-01330E	ASS'Y-BASE	T1.0, SECC-P	-	1
	DB90-01330B	ASS'Y-BASE	T1.0, SECC-P	1	-
7	DB99-00401A	ASS'Y BRACKET VALVE	SECC-P, T1.0x95x235	1	1
8	DB94-00459C	ASS'Y-PARTITION	ASS'Y, SGCC-M, T0.6	-	1
	DB94-00459B	ASS'Y-PARTITION	ASS'Y, SGCC-M, T0.6	1	-
9	DB61-01644A	BRACKET-MOTOR	SGCC-M T0.6x370x490	1	1
10	DB97-02225A	ASS'Y PLATE SUPPORT B/M	ASS'Y	-	1
	DB97-02225B	ASS'Y PLATE SUPPORT B/M	ASS'Y	1	-
11	DB31-00220A	MOTOR-OUT	YDK-25F6M13E-1	1	1
12	DB67-00397A	PROPELLER-FAN	AS+G/F 20%, 422g	1	1
13	DB60-30004A	NUT FLANGE		1	1
14	DB63-00815A	GROMMET	NR	-	3
	DB63-00763A	GROMMET	NR	3	-
15	DB60-30028A	NUT WASHER		3	3
16	DB96-03580A	ASS'Y-COND	2x24, FP1.5, LOUVER	-	1
	DB96-03581A	ASS'Y-COND	1x24, FP1.5, LOUVER	1	-
17	DB93-02748C	ASS'Y-CONTROL OUT	ASS'Y	-	1
	DB93-02748D	ASS'Y-CONTROL OUT	ASS'Y	1	-
17-1	DB61-01642A	CASE-CONTROL OUT	SGCC-M T0.6x150x250	1	1
17-2	2501-001236	CAPACITOR-COMP	30μFx450V	-	1
	2501-001237	CAPACITOR-COMP	35μFx450V	1	-
17-3	2301-001375	CAPACITOR-MOTOR	1.5μFx450V	1	1
17-4	DB65-40049H	TERMINAL-BLOCK		1	1
17-5	DB65-10046A	CLIP-CAPACITOR		1	1
17-6	DB61-00250A	HOLDER-WIRE		1	1
17-7	DB93-50062C	LEAD WIRE		1	1
17-8	DB93-00481H	ASS'Y LEAD WIRE		1	1
17-9	DB33-00050A	SOLENOID-ASS'Y	WIRE, ASS'Y	1	1
17-10	DB35-00030C	OLP	RAC12074-9622	-	1
	DB35-00030A	OLP	RAC12054-9622	1	-
18	DB72-00726E	SPONGE-FELT COMP CLOTH	FELT+PVC	-	1
	DB72-00726D	SPONGE-FELT COMP CLOTH	FELT+PVC	1	-
19	DB95-00543A	ASS'Y-COMP		-	1
	DB95-00542A	ASS'Y-COMP		1	-
19-1	48D129MXAEL	COMP	SSEC	-	1
	44B102MXAEL	COMP	SSEC	1	-
19-2	DB63-20002A	GASKET		1	1
19-3	DB63-10165D	COVER-TERMINAL		1	1
19-4	DB60-30018A	NUT FLANGE		1	1
20	DB99-00453A	ASS'Y CHECK VALVE	ASS'Y	-	1
	DB99-00478B	ASS'Y CHECK VALVE	ASS'Y	1	-
21	DB99-00475A	ASS'Y 4WAY VALVE	ASS'Y	-	1
	DB99-00491A	ASS'Y 4WAY VALVE	ASS'Y	1	-
22	DB96-03313A	ASS'Y-TUBE SUCTION	ASS'Y	-	-
	DB96-03320A	ASS'Y-TUBE SUCTION	ASS'Y	-	-
23	DB96-02633A	TUBE DISCHARGE	C1220T-0	-	-
	DB96-02645A	TUBE DISCHARGE	C1220T-0	-	-
24	DB71-00090A	BAR-STEEL		-	1
	DB71-00090B	BAR-STEEL		1	-

4-3 Ass'y-Control In(Code No : DB93-02481✳)

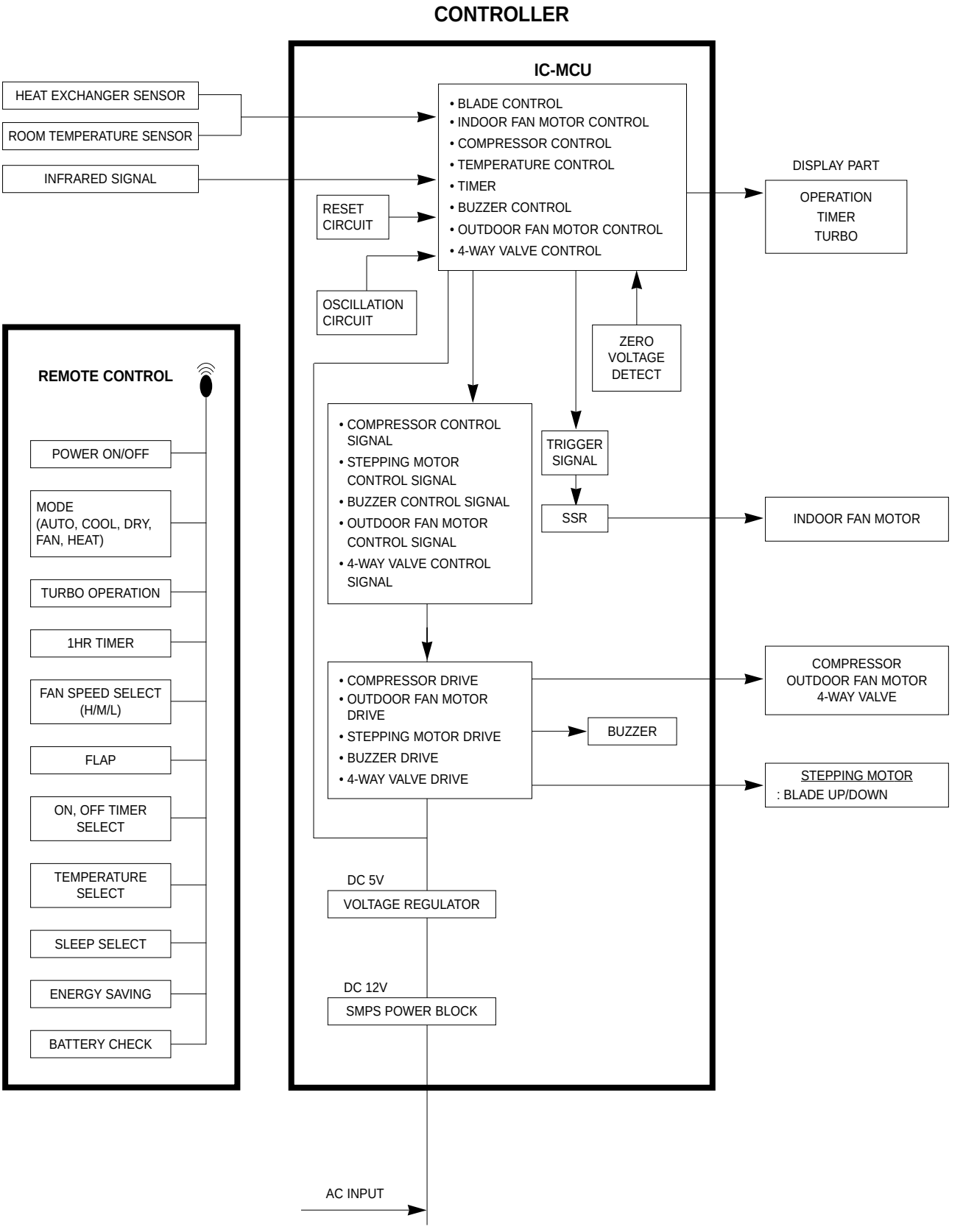


Code No.	MODEL	Code No.	MODEL
DB93-02481L	SH09AWH/EDC, SH12AWH/EDC, SH09ZWH/EDC,	DB93-02481G	KFR-35GW/SWA
	SH12ZWH/EDC, AQ09WHWE/FES, AQ12WHWE/FES	DB93-02481J	KFR-25GW/SWA
DB93-02481C	SH09ZWH/XSA, SH12ZWH/XSA		
DB93-02481E	SH09ZWH/SER, SH12ZWH/SER, SH09ZWH/XFO,		
	SH12ZWH/XFO		

■ **Parts List**

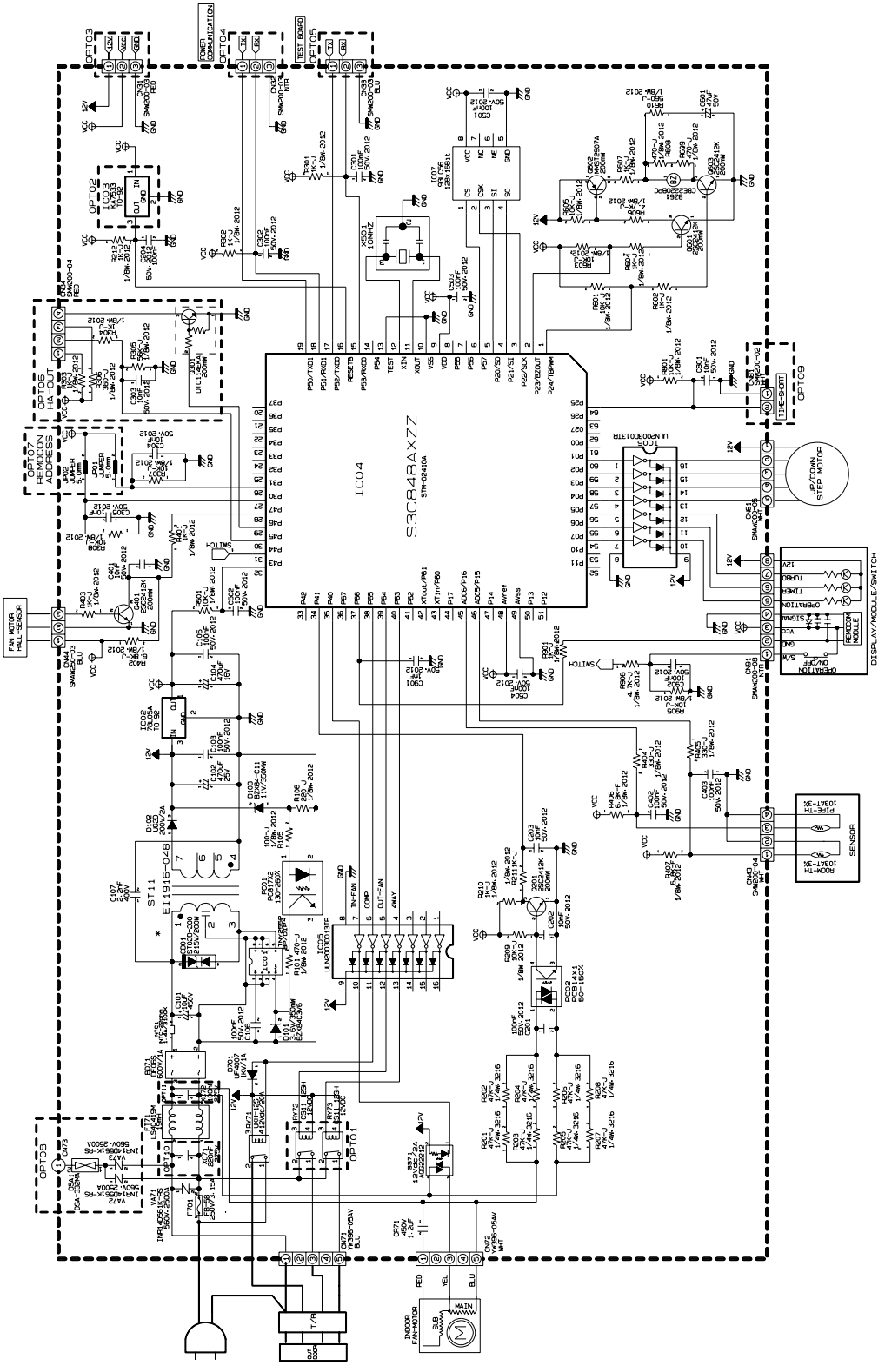
No.	Code No.	Description	Specification	Q'TY	Remark
1	DB61-01637A	CASE-CONTROL	ABS	1	
2	DB93-02482A	ASS'Y PCB MAIN	FR-4, 120x90	1	
3	DB65-00140A	ASS'Y TERMINAL BLOCK	4P	1	
4	DB93-02483A	ASS'Y S/W & MODULE & DISPLAY PCB	FR-1, 30x70	1	
5	DB61-01639A	PLATE-CONTROL	SGCC-M, T1-2	1	
6	DB61-00171A	HOLDER-WIRE CLAMP	ABS	1	
7	-	SCREW-MACHINE	PH M3xL22	1	SNA
8	-	SCREW-MACHINE	TH M4xL16	2	SNA
9	-	SCREW-MACHINE	TH M4xL10	1	SNA
10	DB39-00949A	CONNECTOR WIRE S/W & MODULE & DISPLAY	8P	1	
11	DB39-00147D	CONNECTOR WIRE STEP MOTOR UP/DOWN	5P	1	
12	DB32-00020D	ASS'Y THERMISTOR WIRE	4P(103AT)	1	
13	DB63-00851A	COVER CLAMP	HIPS	1	
14	-	POWER CORD	3P	1	

5. Block Diagram



6. Schematic Diagram

6-1 Indoor Unit



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